

Liftcrane Luffing Jib Capacities

Luffing Jib No. LJ10:501 on

Boom No. B10:500

298,100 lb VPC (Variable Position Counterweight)

360 Degree Rating

MLC300 SERIES 1



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Consult Luffing Jib Raising Procedure chart **No. 9380-A** for allowable boom point configurations for 177.2 ft boom length.

Upper luffing jib point capacity for liftcrane service with single part whip line is 36,700 lb or 73,500 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

LUFFING JIB BACKWARD STABILITY: Capacities indicated by (b) require 5,000 lb minimum weight suspended beneath luffing jib point, (c) require 10,000 lb minimum weight, and (d) require 16,000 lb minimum weight. **Caution:** Do not luff into areas indicated by (b), (c), or (d) without required minimum weight. Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Supporting surface and bearing turntable are to be level within a tolerance of 1/2 in. in 10 ft. Refer to Luffing Jib Rigging **No. 81023383**, Wire Rope Specifications chart **No. 9379-A**, Counterweight Arrangements chart **No. 9345-A**, Luffing Jib Raising Procedure chart **No. 9380-A**, and Wind Conditions chart **No. 9371-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9372-A**.



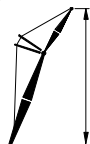
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.



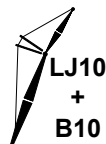
LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 298,100 lb VPC.

Explanation of Symbols



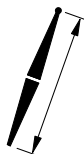
Luffing Jib No. LJ10:501
+
Boom No. B10:500



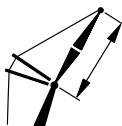
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Luffing Jib Length



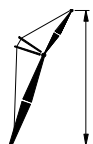
Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



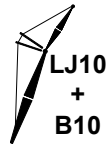
Luffing Jib Elevation
(see page 1)



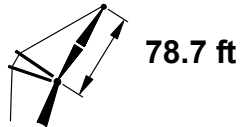
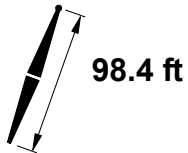
Lifting Capacities
(see page 1)

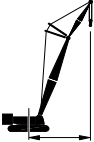
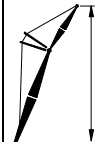
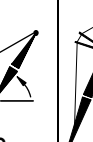
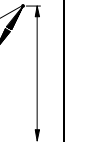
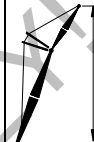
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REFERENCE ONLY!



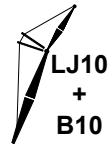
298,100 lb



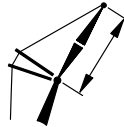
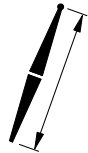
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
38	74.3	181.7	324,400 c							38
40	72.8	181.1	305,800 c							40
45	68.9	179.1	260,100 b							45
50	64.9	176.8	226,300 b	69.0	178.6	225,200 b				50
55	60.7	174.0	200,200	65.0	176.3	199,300 b				55
60	56.3	170.7	179,500	60.9	173.5	178,700	65.2	175.5	177,900 b	60
65	51.7	166.7	162,700	56.5	170.2	161,900	61.0	172.7	161,200	65
70	46.8	162.1	148,700	51.9	166.3	148,000	56.7	169.4	147,300	70
75	41.3	156.6	137,000	47.0	161.7	136,300	52.1	165.6	135,700	75
80	35.2	149.7	126,900	41.6	156.2	126,300	47.1	161.0	125,700	80
85	27.8	140.9	118,200	35.4	149.4	117,700	41.7	155.5	117,100	85
90	17.4	127.5	110,600	28.1	140.7	110,100	35.6	148.8	109,600	90
95				17.9	127.6	103,500	28.4	140.1	103,000	95
100							18.3	127.3	97,200	100
105										105
110										110
115										115
120										120
125										125

MLC300 S-1

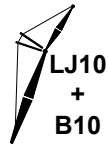
ASME B30.5



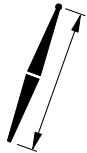
298,100 lb



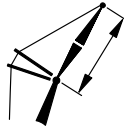
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70	63.9	172.6	146,200							70
75	59.7	169.7	134,700							75
80	55.3	166.3	124,800							80
85	50.6	162.2	115,400	58.2	165.8	110,100				85
90	45.5	157.4	107,200	53.7	162.1	102,300				90
95	40.0	151.5	99,900	48.9	157.8	95,300				95
100	33.6	144.3	93,400	43.7	152.7	89,100	51.8	157.0	84,900	100
105	25.7	134.8	87,400	37.9	146.4	83,500	46.8	152.4	79,600	105
110	13.7	119.1	81,900	31.1	138.6	78,500	41.4	146.8	74,800	110
115				22.3	127.7	73,800	35.3	140.0	70,400	115
120							27.9	131.2	66,400	120
125							17.6	117.9	62,600	125



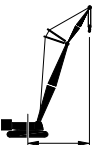
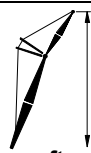
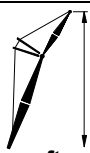
298,100 lb



98.4 ft

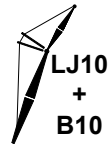


98.4 ft

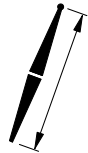
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
45	73.3	200.1	261,400							45
50	70.2	198.3	227,400							50
55	67.0	196.2	201,200	70.3	197.8	200,200				55
60	63.8	193.7	180,400	67.2	195.7	179,500				60
65	60.5	190.9	163,500	63.9	193.2	162,700	67.3	194.9	161,900	65
70	57.0	187.7	149,400	60.6	190.4	148,700	64.0	192.4	148,000	70
75	53.4	184.0	137,600	57.1	187.2	137,000	60.7	189.6	136,300	75
80	49.6	179.8	127,500	53.5	183.5	126,900	57.2	186.4	126,300	80
85	45.5	174.9	118,800	49.7	179.3	118,200	53.6	182.8	117,700	85
90	41.1	169.3	111,200	45.7	174.5	110,700	49.8	178.6	110,100	90
95	36.3	162.7	104,500	41.3	168.9	104,000	45.8	173.8	103,500	95
100	30.8	154.6	98,500	36.5	162.4	98,100	41.5	168.2	97,300	100
105	24.1	144.3	93,200	31.0	154.4	92,800	36.7	161.7	91,300	105
110	14.5	128.6	88,400	24.4	144.2	88,000	31.2	153.8	85,800	110
115				15.0	128.8	83,000	24.6	143.7	80,900	115
120							15.4	128.6	76,200	120
125										125
130										130
135										135
140										140
145										145

MLC300 S-1

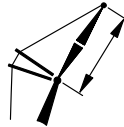
ASME B30.5



298,100 lb

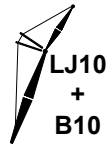


98.4 ft



98.4 ft

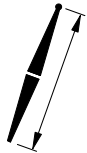
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80	63.0	189.6	123,900							80
85	59.7	186.6	114,500							85
90	56.2	183.3	106,300							90
95	52.5	179.5	99,100	58.5	182.7	94,300				95
100	48.6	175.1	92,700	54.9	179.2	88,200				100
105	44.5	170.1	87,000	51.2	175.3	82,700				105
110	40.0	164.3	81,800	47.2	170.7	77,800	53.4	174.2	73,800	110
115	35.1	157.4	77,100	43.0	165.4	73,300	49.6	170.0	69,500	115
120	29.4	148.9	72,800	38.4	159.2	69,200	45.6	165.2	65,600	120
125	22.3	137.8	68,800	33.2	151.9	65,400	41.2	159.5	62,100	125
130	11.0	119.1	64,900	27.1	142.7	62,000	36.4	152.9	58,800	130
135				19.2	130.0	58,700	30.9	144.9	55,700	135
140							24.2	134.6	52,900	140
145							14.7	119.1	50,100	145



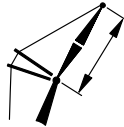
298,100 lb



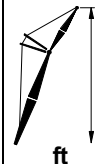
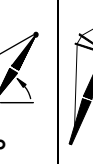
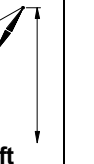
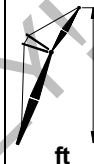
360°



98.4 ft

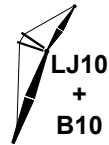


118.1 ft

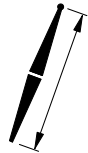
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	73.6	219.2	228,100							50
55	71.1	217.5	201,900							55
60	68.5	215.5	181,000							60
65	65.8	213.3	164,000							65
70	63.1	210.7	149,900							70
75	60.3	207.9	138,100				68.6	214.2	148,500	75
80	57.4	204.7	127,900	71.2	217.0	180,100	66.0	211.9	136,800	80
85	54.4	201.1	119,200	68.6	215.0	163,200	63.3	209.4	126,700	85
90	51.3	197.1	111,600	65.9	212.7	149,200	60.5	206.6	118,100	90
95	48.1	192.7	104,800	63.2	210.2	137,400	57.6	203.4	110,500	95
100	44.7	187.7	98,900	60.4	207.4	127,300	54.7	199.9	103,500	100
105	41.0	182.0	93,500	57.5	204.2	118,600	51.6	196.0	96,900	105
110	37.0	175.6	88,700	54.6	200.7	111,000	48.3	191.5	90,900	110
115	32.6	168.0	84,400	51.5	196.7	104,300	44.9	186.6	85,500	115
120	27.6	158.9	80,500	48.2	192.3	98,400	41.3	181.0	80,600	120
125	21.4	147.2	76,400	44.8	187.3	93,100	37.3	174.6	76,200	125
130	12.3	129.1	72,300	41.2	181.7	88,100	33.0	167.1	72,100	130
135				37.2	175.2	83,100	28.0	158.1	68,400	135
140				32.8	167.7	78,500	21.9	146.6	64,900	140
145				27.8	158.7	74,300	13.2	129.4	61,600	145
150				21.7	147.1	70,400				150
155				12.8	129.5	66,700				155
160										160
165										165

MLC300 S-1

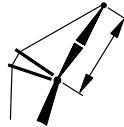
ASME B30.5



298,100 lb

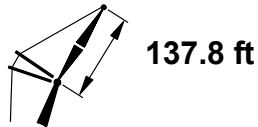
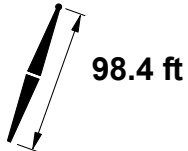
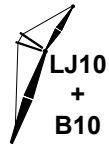


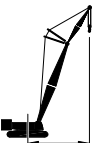
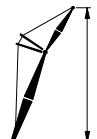
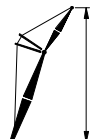
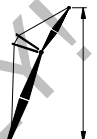
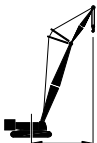
98.4 ft



118.1 ft

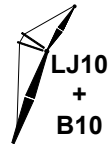
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	62.4	206.5	105,600							90
95	59.6	203.6	98,500							95
100	56.7	200.3	92,100							100
105	53.7	196.7	86,400	58.6	199.7	81,900				105
110	50.6	192.6	81,300	55.7	196.3	77,000				110
115	47.3	188.0	76,600	52.7	192.5	72,600				115
120	43.8	182.9	72,400	49.5	188.3	68,600				120
125	40.1	177.1	68,500	46.1	183.5	64,900	51.4	187.4	61,400	125
130	36.0	170.3	64,900	42.6	178.2	61,500	48.1	182.9	58,100	130
135	31.5	162.5	61,700	38.7	172.0	58,400	44.7	177.9	55,200	135
140	26.3	152.9	58,600	34.5	165.0	55,500	41.1	172.3	52,400	140
145	19.7	140.2	55,700	29.8	156.6	52,800	37.1	165.8	49,900	145
150	8.7	118.3	52,900	24.2	146.1	50,200	32.7	158.3	47,500	150
155				16.8	131.7	47,800	27.7	149.2	45,200	155
160							21.5	137.5	43,100	160
165							12.5	119.7	41,000	165



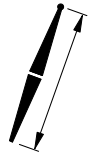
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
55	73.9	238.3	202,800							55
60	71.7	236.6	181,800							60
65	69.5	234.7	164,800	71.8	236.1	164,000				65
70	67.2	232.6	150,600	69.6	234.2	149,900				70
75	64.9	230.3	138,700	67.3	232.1	138,000				75
80	62.6	227.7	128,500	65.0	229.8	127,900	67.4	231.3	127,300	80
85	60.2	224.8	119,700	62.7	227.2	119,100	65.1	229.0	118,600	85
90	57.7	221.7	112,000	60.3	224.3	111,500	62.7	226.4	110,100	90
95	55.2	218.2	105,300	57.8	221.2	104,800	60.3	223.5	102,600	95
100	52.6	214.4	99,300	55.3	217.7	98,800	57.9	220.4	95,900	100
105	49.9	210.2	93,900	52.7	213.9	92,800	55.4	217.0	90,000	105
110	47.0	205.6	89,100	50.0	209.8	87,300	52.8	213.2	84,600	110
115	44.1	200.5	84,800	47.1	205.2	82,300	50.1	209.0	79,800	115
120	40.9	194.8	80,200	44.2	200.1	77,800	47.2	204.4	75,400	120
125	37.5	188.4	76,000	41.0	194.4	73,700	44.3	199.4	71,400	125
130	33.9	181.1	72,000	37.7	188.1	69,900	41.1	193.7	67,700	130
135	29.8	172.7	68,400	34.0	180.8	66,400	37.8	187.4	64,300	135
140	25.1	162.6	65,100	30.0	172.4	63,100	34.1	180.2	61,100	140
145	19.3	149.5	61,900	25.3	162.4	60,100	30.1	171.8	58,200	145
150	10.5	129.1	58,900	19.6	149.5	57,200	25.5	161.9	55,400	150
155				11.0	129.6	54,500	19.8	149.1	52,800	155
160							11.4	129.6	50,300	160
165										165
170										170
175										175
180										180
185										185

MLC300 S-1

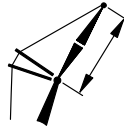
ASME B30.5



298,100 lb

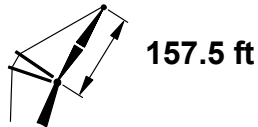
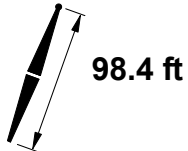
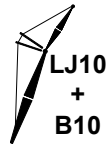


98.4 ft



137.8 ft

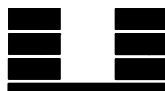
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.0	223.5	91,000							100
105	59.6	220.6	85,300							105
110	57.1	217.3	80,200							110
115	54.6	213.8	75,600	58.8	216.7	71,500				115
120	51.9	209.9	71,400	56.3	213.3	67,500				120
125	49.2	205.6	67,600	53.7	209.7	63,800				125
130	46.3	200.9	64,000	51.0	205.7	60,500				130
135	43.3	195.6	60,800	48.2	201.2	57,400	52.6	204.6	54,000	135
140	40.1	189.8	57,800	45.3	196.3	54,500	49.9	200.4	51,300	140
145	36.7	183.2	55,000	42.2	190.9	51,900	47.1	195.8	48,800	145
150	33.0	175.7	52,400	39.0	184.8	49,400	44.1	190.7	46,400	150
155	28.8	166.9	50,000	35.4	177.9	47,100	41.0	185.0	44,300	155
160	23.9	156.3	47,700	31.6	170.0	44,900	37.6	178.7	42,200	160
165	17.7	142.2	45,500	27.1	160.7	42,900	33.9	171.4	40,300	165
170	6.8	116.6	43,300	21.9	149.1	40,900	29.9	163.0	38,500	170
175				14.9	133.0	39,100	25.2	152.9	36,700	175
180							19.4	139.9	35,100	180
185							10.7	119.7	33,400	185



	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60	74.1	257.3	167,900							60
65	72.1	255.7	160,200							65
70	70.2	253.9	151,300							70
75	68.2	251.9	139,300	70.3	253.4	138,600				75
80	66.3	249.7	129,100	68.3	251.4	128,500				80
85	64.2	247.3	120,200	66.3	249.2	119,700	68.4	250.6	117,300	85
90	62.2	244.6	112,500	64.3	246.8	112,000	66.4	248.4	108,900	90
95	60.1	241.8	105,700	62.3	244.1	104,600	64.4	246.0	101,400	95
100	57.9	238.6	99,700	60.2	241.3	97,800	62.3	243.4	94,700	100
105	55.7	235.2	94,300	58.0	238.2	91,700	60.2	240.5	88,800	105
110	53.5	231.6	89,000	55.8	234.8	86,200	58.1	237.4	83,500	110
115	51.1	227.5	83,800	53.6	231.1	81,200	55.9	234.0	78,600	115
120	48.7	223.2	79,200	51.2	227.1	76,700	53.6	230.3	74,200	120
125	46.2	218.4	75,000	48.8	222.8	72,600	51.3	226.4	70,200	125
130	43.6	213.2	71,100	46.3	218.0	68,800	48.9	222.0	66,600	130
135	40.8	207.5	67,500	43.7	212.8	65,300	46.4	217.3	63,200	135
140	37.9	201.2	64,200	41.0	207.2	62,100	43.8	212.1	60,100	140
145	34.8	194.1	61,100	38.0	200.9	59,100	41.0	206.5	57,200	145
150	31.3	186.1	58,300	34.9	193.8	56,400	38.1	200.2	54,500	150
155	27.5	176.9	55,600	31.5	185.9	53,800	35.0	193.2	51,900	155
160	23.1	165.8	53,100	27.7	176.7	51,300	31.6	185.3	49,600	160
165	17.6	151.5	50,700	23.3	165.7	49,000	27.8	176.1	47,400	165
170	9.0	128.5	48,300	17.8	151.6	46,800	23.4	165.2	45,300	170
175				9.5	129.2	44,700	18.0	151.2	43,300	175
180							9.9	129.4	41,300	180
185										185
190										190
195										195
200										200
205										205

MLC300 S-1

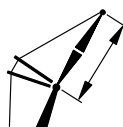
ASME B30.5



298,100 lb

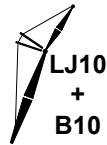


98.4 ft



157.5 ft

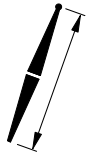
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.8	243.1	84,000							105
110	61.7	240.4	78,900							110
115	59.6	237.5	74,300							115
120	57.4	234.3	70,100							120
125	55.2	230.9	66,300	58.8	233.6	62,500				125
130	52.9	227.1	62,800	56.7	230.4	59,100				130
135	50.6	223.0	59,600	54.4	226.8	56,100				135
140	48.2	218.6	56,600	52.1	222.9	53,200				140
145	45.6	213.7	53,900	49.8	218.7	50,600	53.5	221.8	47,400	145
150	43.0	208.4	51,300	47.3	214.1	48,200	51.2	217.8	45,100	150
155	40.2	202.6	48,900	44.7	209.1	45,900	48.8	213.4	42,900	155
160	37.2	196.1	46,700	42.0	203.6	43,800	46.3	208.7	40,900	160
165	34.0	188.8	44,600	39.2	197.6	41,800	43.6	203.5	39,000	165
170	30.5	180.6	42,600	36.1	190.9	39,900	40.9	197.8	37,200	170
175	26.5	170.9	40,700	32.8	183.3	38,100	38.0	191.5	35,600	175
180	21.9	159.3	38,900	29.2	174.6	36,400	34.8	184.4	34,000	180
185	16.0	143.8	37,200	25.0	164.4	34,800	31.4	176.4	32,500	185
190	4.8	113.5	35,400	20.1	151.7	33,300	27.6	167.2	31,000	190
195				13.3	133.8	31,800	23.1	156.1	29,600	195
200							17.7	141.9	28,300	200
205							9.2	119.1	27,000	205



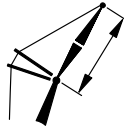
298,100 lb



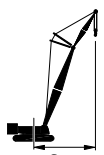
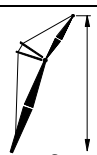
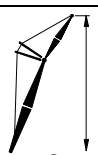
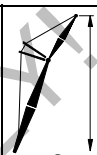
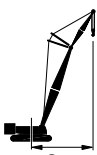
360°



98.4 ft

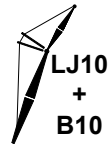


177.2 ft

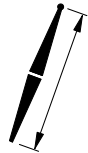
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	276.4	150,800							65
70	72.5	274.8	145,100							70
75	70.8	273.0	138,700							75
80	69.1	271.1	129,700	70.9	272.5	129,000				80
85	67.3	269.0	120,800	69.1	270.6	120,000				85
90	65.5	266.7	113,000	67.4	268.5	111,300				90
95	63.7	264.3	106,200	65.6	266.2	103,600	67.4	267.7	100,300	95
100	61.9	261.6	100,000	63.8	263.8	96,800	65.6	265.4	93,700	100
105	60.0	258.7	93,700	62.0	261.1	90,700	63.8	263.0	87,700	105
110	58.1	255.6	88,100	60.1	258.2	85,200	62.0	260.3	82,400	110
115	56.2	252.3	83,000	58.2	255.1	80,300	60.2	257.4	77,600	115
120	54.2	248.7	78,300	56.2	251.8	75,800	58.3	254.4	73,200	120
125	52.1	244.8	74,100	54.3	248.2	71,700	56.3	251.0	69,200	125
130	50.0	240.6	70,200	52.2	244.4	67,900	54.3	247.5	65,600	130
135	47.9	236.1	66,700	50.1	240.2	64,400	52.3	243.6	62,200	135
140	45.6	231.3	63,400	47.9	235.7	61,200	50.2	239.4	59,100	140
145	43.2	226.0	60,300	45.7	230.9	58,300	48.0	235.0	56,200	145
150	40.8	220.3	57,500	43.3	225.6	55,500	45.8	230.1	53,500	150
155	38.2	214.0	54,800	40.9	219.9	52,900	43.4	224.9	51,000	155
160	35.4	207.1	52,400	38.3	213.6	50,500	41.0	219.2	48,700	160
165	32.5	199.4	50,000	35.5	206.8	48,300	38.4	213.0	46,500	165
170	29.2	190.7	47,900	32.6	199.1	46,200	35.6	206.1	44,400	170
175	25.6	180.7	45,800	29.4	190.5	44,200	32.7	198.5	42,500	175
180	21.4	168.7	43,800	25.8	180.5	42,300	29.5	189.9	40,700	180
185	16.1	153.1	41,900	21.6	168.6	40,500	25.9	180.0	38,900	185
190	7.6	127.2	40,100	16.4	153.2	38,700	21.7	168.1	37,300	190
195				8.1	128.2	37,000	16.5	152.9	35,700	195
200							8.5	128.6	34,100	200
205										205
210										210
215										215
220										220
225										225

MLC300 S-1

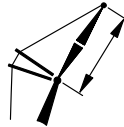
ASME B30.5



298,100 lb

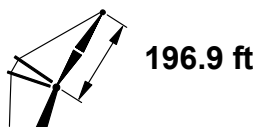
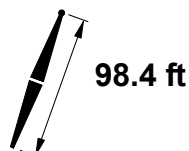


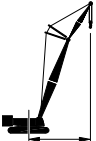
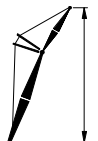
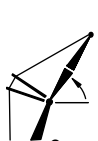
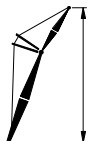
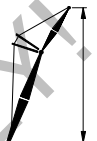
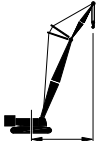
98.4 ft



177.2 ft

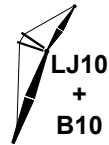
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.3	260.1	73,200							115
120	61.4	257.4	69,000							120
125	59.6	254.5	65,200							125
130	57.7	251.3	61,700							130
135	55.7	247.9	58,500	58.9	250.6	54,900				135
140	53.7	244.2	55,500	57.0	247.4	52,000				140
145	51.6	240.3	52,800	55.0	243.9	49,400				145
150	49.5	236.1	50,200	53.0	240.1	47,000				150
155	47.3	231.5	47,900	50.9	236.1	44,800				155
160	45.1	226.5	45,600	48.8	231.7	42,600	52.2	235.0	39,700	160
165	42.7	221.2	43,600	46.5	227.0	40,700	50.1	230.9	37,800	165
170	40.2	215.3	41,600	44.2	221.9	38,800	47.9	226.4	36,100	170
175	37.6	208.9	39,800	41.8	216.4	37,100	45.6	221.5	34,400	175
180	34.8	201.8	38,000	39.3	210.3	35,400	43.3	216.2	32,900	180
185	31.7	193.9	36,400	36.6	203.7	33,900	40.8	210.5	31,400	185
190	28.4	185.0	34,800	33.7	196.4	32,400	38.2	204.3	30,000	190
195	24.7	174.5	33,300	30.6	188.1	31,000	35.5	197.4	28,700	195
200	20.3	161.9	31,900	27.2	178.7	29,600	32.5	189.7	27,400	200
205	14.6	145.0	30,500	23.2	167.7	28,300	29.3	181.0	26,200	205
210	1.8	105.9	29,000	18.5	153.9	27,100	25.7	171.0	25,000	210
215				12.0	134.3	25,900	21.5	159.0	23,900	215
220							16.2	143.6	22,800	220
225							7.8	118.0	21,700	225



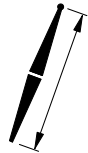
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
70	74.3	295.4	133,100							70
75	72.8	293.9	130,500							75
80	71.2	292.2	128,100							80
85	69.7	290.3	121,100	71.3	291.6	119,300				85
90	68.1	288.3	113,400	69.7	289.8	110,600				90
95	66.5	286.1	106,300	68.2	287.8	102,900				95
100	64.9	283.8	99,300	66.6	285.6	96,100	68.2	287.0	92,900	100
105	63.3	281.3	93,000	65.0	283.3	90,000	66.6	284.8	86,900	105
110	61.6	278.6	87,400	63.4	280.8	84,500	65.0	282.5	81,600	110
115	60.0	275.7	82,300	61.7	278.1	79,500	63.4	280.0	76,800	115
120	58.3	272.6	77,700	60.0	275.2	75,100	61.8	277.3	72,400	120
125	56.5	269.3	73,500	58.3	272.1	71,000	60.1	274.4	68,500	125
130	54.7	265.8	69,600	56.6	268.8	67,200	58.4	271.3	64,800	130
135	52.9	262.0	66,000	54.8	265.3	63,700	56.6	268.0	61,400	135
140	51.0	258.0	62,700	53.0	261.5	60,500	54.9	264.5	58,400	140
145	49.1	253.6	59,700	51.1	257.5	57,600	53.0	260.8	55,500	145
150	47.1	249.0	56,900	49.2	253.2	54,800	51.2	256.8	52,800	150
155	45.1	244.1	54,200	47.2	248.6	52,300	49.3	252.5	50,300	155
160	43.0	238.8	51,800	45.2	243.7	49,900	47.3	247.9	48,000	160
165	40.7	233.0	49,500	43.0	238.4	47,700	45.2	243.0	45,800	165
170	38.4	226.8	47,300	40.8	232.6	45,600	43.1	237.7	43,800	170
175	36.0	220.0	45,300	38.5	226.4	43,600	40.9	232.0	41,900	175
180	33.4	212.5	43,400	36.1	219.7	41,700	38.6	225.8	40,100	180
185	30.5	204.3	41,600	33.5	212.2	40,000	36.1	219.0	38,400	185
190	27.5	194.9	39,800	30.7	204.0	38,300	33.5	211.6	36,700	190
195	24.0	184.1	38,200	27.6	194.7	36,700	30.7	203.4	35,200	195
200	20.0	171.2	36,600	24.1	184.0	35,200	27.7	194.1	33,700	200
205	14.9	154.4	35,100	20.1	171.2	33,700	24.3	183.5	32,300	205
210	6.2	125.2	33,500	15.1	154.6	32,300	20.3	170.7	31,000	210
215				6.8	126.6	30,900	15.3	154.3	29,700	215
220							7.2	127.2	28,400	220
225										225
230										230
235										235
240										240
245										245

MLC300 S-1

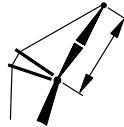
ASME B30.5



298,100 lb

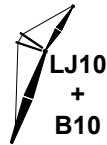


98.4 ft



196.9 ft

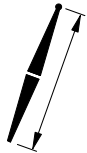
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.9	277.1	64,300							125
130	61.3	274.4	60,900							130
135	59.6	271.4	57,700							135
140	57.8	268.3	54,700							140
145	56.1	264.9	52,000	59.0	267.6	48,600				145
150	54.3	261.3	49,500	57.2	264.4	46,200				150
155	52.5	257.5	47,100	55.5	260.9	43,900				155
160	50.6	253.4	44,900	53.7	257.3	41,800				160
165	48.7	249.0	42,800	51.8	253.3	39,900				165
170	46.7	244.4	40,900	49.9	249.1	38,000	52.9	252.2	35,200	170
175	44.6	239.3	39,100	48.0	244.7	36,300	51.1	248.2	33,600	175
180	42.4	233.9	37,300	46.0	239.9	34,600	49.1	243.9	32,000	180
185	40.2	228.1	35,700	43.9	234.7	33,100	47.2	239.3	30,600	185
190	37.9	221.7	34,200	41.7	229.1	31,600	45.1	234.3	29,200	190
195	35.4	214.8	32,700	39.4	223.1	30,300	43.0	229.0	27,900	195
200	32.7	207.1	31,300	37.0	216.6	29,000	40.8	223.3	26,600	200
205	29.8	198.6	30,000	34.5	209.4	27,700	38.5	217.0	25,400	205
210	26.7	189.0	28,700	31.7	201.5	26,500	36.0	210.3	24,300	210
215	23.1	177.8	27,500	28.8	192.6	25,400	33.4	202.8	23,200	215
220	18.9	164.2	26,400	25.5	182.5	24,300	30.6	194.5	22,200	220
225	13.4	145.9	25,200	21.7	170.6	23,200	27.5	185.2	21,200	225
230				17.2	155.8	22,200	24.0	174.5	20,200	230
235				10.8	134.4	21,100	20.0	161.6	19,300	235
240							14.9	144.9	18,400	240
245							6.5	116.2	17,400	245



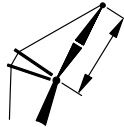
298,100 lb



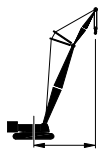
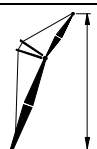
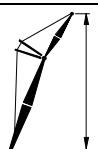
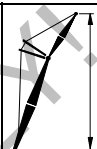
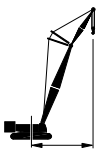
360°



98.4 ft



216.5 ft

	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
75	74.4	314.5	111,600							75
80	73.0	312.9	110,600							80
85	71.6	311.3	109,600							85
90	70.2	309.5	108,500	71.7	310.7	107,500				90
95	68.8	307.5	105,300	70.3	308.9	101,800				95
100	67.4	305.4	98,300	68.8	307.0	95,000				100
105	65.9	303.2	92,100	67.4	304.9	88,900	68.9	306.2	85,800	105
110	64.4	300.8	86,400	66.0	302.7	83,500	67.5	304.1	80,500	110
115	63.0	298.2	81,300	64.5	300.3	78,500	66.0	301.9	75,700	115
120	61.4	295.5	76,700	63.0	297.7	74,000	64.5	299.5	71,400	120
125	59.9	292.6	72,500	61.5	295.0	69,900	63.1	296.9	67,400	125
130	58.4	289.6	68,600	60.0	292.1	66,200	61.6	294.2	63,700	130
135	56.8	286.3	65,100	58.4	289.1	62,700	60.0	291.4	60,400	135
140	55.2	282.8	61,800	56.8	285.8	59,500	58.5	288.3	57,300	140
145	53.5	279.1	58,800	55.2	282.3	56,600	56.9	285.0	54,400	145
150	51.8	275.2	55,900	53.6	278.7	53,800	55.3	281.6	51,800	150
155	50.1	271.1	53,300	51.9	274.8	51,300	53.6	277.9	49,300	155
160	48.4	266.6	50,900	50.2	270.6	48,900	52.0	274.0	47,000	160
165	46.5	261.9	48,600	48.4	266.2	46,700	50.3	269.9	44,800	165
170	44.7	256.9	46,400	46.6	261.5	44,600	48.5	265.5	42,800	170
175	42.7	251.5	44,400	44.7	256.5	42,600	46.7	260.8	40,900	175
180	40.7	245.8	42,500	42.8	251.1	40,800	44.8	255.8	39,100	180
185	38.6	239.6	40,700	40.8	245.4	39,000	42.9	250.4	37,400	185
190	36.4	232.9	39,000	38.7	239.2	37,400	40.9	244.7	35,800	190
195	34.1	225.6	37,400	36.5	232.5	35,800	38.8	238.5	34,300	195
200	31.6	217.6	35,800	34.1	225.3	34,300	36.6	231.9	32,800	200
205	28.9	208.7	34,400	31.7	217.3	32,900	34.2	224.6	31,400	205
210	25.9	198.8	33,000	29.0	208.5	31,500	31.7	216.7	30,100	210
215	22.6	187.3	31,600	26.0	198.6	30,300	29.1	207.9	28,900	215
220	18.7	173.5	30,300	22.7	187.2	29,000	26.1	198.0	27,700	220
225	13.8	155.4	29,100	18.9	173.5	27,800	22.9	186.7	26,500	225
230	4.9	122.2	27,400	14.0	155.7	26,600	19.0	173.1	25,400	230
235				5.5	124.2	25,400	14.2	155.5	24,300	235
240							6.0	125.1	23,200	240
245										245
250										250
255										255
260										260
265										265

MLC300 S-1

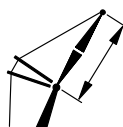
ASME B30.5



298,100 lb

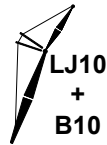


98.4 ft



216.5 ft

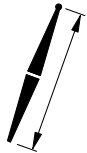
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.6	294.1	56,500							135
140	61.1	291.3	53,600							140
145	59.6	288.4	50,800							145
150	58.0	285.3	48,300							150
155	56.4	281.9	46,000							155
160	54.8	278.4	43,800	57.4	281.3	40,600				160
165	53.1	274.7	41,700	55.8	277.9	38,700				165
170	51.4	270.7	39,800	54.2	274.4	36,800				170
175	49.7	266.5	38,000	52.6	270.5	35,100				175
180	47.9	262.0	36,300	50.9	266.5	33,500	53.6	269.3	30,800	180
185	46.1	257.2	34,600	49.1	262.2	32,000	51.9	265.4	29,300	185
190	44.2	252.1	33,100	47.3	257.6	30,500	50.2	261.3	28,000	190
195	42.3	246.7	31,700	45.5	252.7	29,100	48.4	256.9	26,700	195
200	40.2	240.8	30,300	43.5	247.5	27,800	46.6	252.1	25,400	200
205	38.1	234.5	29,000	41.6	241.9	26,600	44.7	247.1	24,300	205
210	35.9	227.7	27,800	39.5	235.9	25,400	42.8	241.8	23,200	210
215	33.5	220.2	26,600	37.3	229.4	24,300	40.7	236.0	22,100	215
220	30.9	212.1	25,400	35.0	222.4	23,200	38.6	229.8	21,100	220
225	28.2	203.0	24,400	32.6	214.7	22,200	36.4	223.1	20,100	225
230	25.2	192.7	23,300	30.0	206.2	21,200	34.1	215.9	19,200	230
235	21.8	180.8	22,300	27.2	196.8	20,300	31.6	207.9	18,300	235
240	17.7	166.2	21,300	24.0	186.0	19,400	28.9	199.0	17,400	240
245	12.3	146.5	20,300	20.4	173.3	18,500	26.0	189.1	16,600	245
250				16.0	157.4	17,600	22.7	177.6	15,800	250
255				9.7	134.1	16,700	18.8	163.9	15,000	255
260							13.8	145.9	14,200	260
265							5.1	113.4	13,400	265



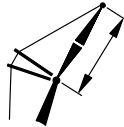
298,100 lb



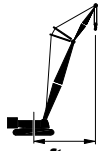
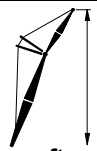
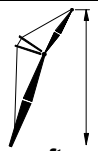
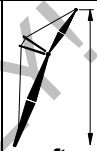
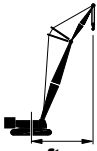
360°



98.4 ft



236.2 ft

	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.5	333.5	91,300							80
85	73.2	332.0	90,400							85
90	71.9	330.4	89,400							90
95	70.6	328.6	88,400	72.0	329.8	87,800				95
100	69.3	326.7	87,400	70.7	328.1	87,000				100
105	68.0	324.7	86,500	69.4	326.2	86,200				105
110	66.7	322.5	85,500	68.1	324.2	82,600				110
115	65.4	320.2	80,500	66.8	322.0	77,600	68.1	323.4	74,800	115
120	64.0	317.8	75,900	65.4	319.7	73,100	66.8	321.2	70,400	120
125	62.7	315.2	71,600	64.1	317.3	69,000	65.5	318.9	66,400	125
130	61.3	312.5	67,800	62.7	314.7	65,300	64.1	316.5	62,800	130
135	59.9	309.6	64,200	61.3	312.0	61,800	62.8	313.9	59,500	135
140	58.5	306.5	60,900	59.9	309.1	58,700	61.4	311.2	56,400	140
145	57.0	303.3	57,900	58.5	306.0	55,700	60.0	308.3	53,500	145
150	55.5	299.9	55,100	57.1	302.8	53,000	58.6	305.3	50,800	150
155	54.0	296.2	52,500	55.6	299.4	50,400	57.1	302.0	48,400	155
160	52.5	292.4	50,000	54.1	295.8	48,000	55.6	298.6	46,100	160
165	51.0	288.4	47,700	52.6	292.0	45,800	54.2	295.0	43,900	165
170	49.4	284.1	45,600	51.0	287.9	43,700	52.6	291.2	41,900	170
175	47.7	279.6	43,600	49.4	283.7	41,800	51.1	287.2	40,000	175
180	46.0	274.8	41,700	47.8	279.1	39,900	49.5	282.9	38,200	180
185	44.3	269.7	39,900	46.1	274.4	38,200	47.8	278.4	36,500	185
190	42.5	264.3	38,200	44.4	269.3	36,500	46.2	273.6	34,900	190
195	40.7	258.5	36,600	42.6	263.9	35,000	44.4	268.6	33,400	195
200	38.8	252.3	35,100	40.8	258.1	33,500	42.7	263.2	32,000	200
205	36.7	245.7	33,600	38.8	252.0	32,100	40.8	257.4	30,600	205
210	34.6	238.6	32,200	36.8	245.4	30,800	38.9	251.3	29,300	210
215	32.4	230.8	30,900	34.7	238.3	29,500	36.9	244.7	28,100	215
220	30.0	222.3	29,700	32.5	230.5	28,300	34.8	237.6	26,900	220
225	27.4	212.9	28,500	30.1	222.1	27,100	32.6	229.9	25,800	225
230	24.6	202.4	27,300	27.5	212.7	26,000	30.2	221.5	24,700	230
235	21.4	190.2	26,200	24.7	202.2	24,900	27.6	212.2	23,600	235
240	17.6	175.5	25,100	21.5	190.1	23,900	24.8	201.7	22,600	240
245	12.8	156.2	24,000	17.8	175.5	22,900	21.6	189.6	21,700	245
250	3.3	117.4	21,500	13.0	156.5	21,900	17.9	175.2	20,700	250
255				4.2	120.5	20,800	13.2	156.3	19,800	255
260							4.8	122.0	18,800	260
265										265
270										270
275										275

MLC300 S-1

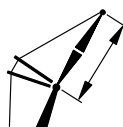
ASME B30.5



298,100 lb

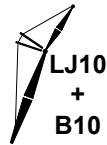


98.4 ft



236.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.7	313.7	52,600							140
145	62.3	311.0	49,900							145
150	61.0	308.3	47,300							150
155	59.5	305.3	45,000							155
160	58.1	302.2	42,800							160
165	56.7	298.9	40,800							165
170	55.2	295.5	38,800	57.6	298.3	35,800				170
175	53.7	291.8	37,000	56.2	295.0	34,100				175
180	52.2	287.9	35,300	54.7	291.4	32,500				180
185	50.6	283.8	33,700	53.2	287.7	31,000				185
190	49.0	279.5	32,200	51.6	283.7	29,600				190
195	47.3	274.9	30,800	50.0	279.6	28,200	52.5	282.6	25,700	195
200	45.6	270.1	29,400	48.4	275.2	26,900	51.0	278.6	24,500	200
205	43.9	264.9	28,100	46.8	270.5	25,700	49.4	274.3	23,300	205
210	42.1	259.4	26,900	45.0	265.5	24,500	47.8	269.8	22,200	210
215	40.2	253.5	25,700	43.3	260.2	23,400	46.1	265.0	21,100	215
220	38.3	247.3	24,600	41.5	254.6	22,300	44.3	259.9	20,100	220
225	36.3	240.5	23,500	39.6	248.6	21,300	42.6	254.5	19,200	225
230	34.1	233.3	22,500	37.6	242.2	20,400	40.7	248.8	18,300	230
235	31.8	225.4	21,500	35.5	235.3	19,400	38.8	242.6	17,400	235
240	29.4	216.7	20,600	33.3	227.8	18,500	36.8	236.0	16,500	240
245	26.8	207.0	19,700	31.0	219.6	17,700	34.7	228.8	15,700	245
250	23.9	196.1	18,800	28.5	210.6	16,900	32.4	221.1	15,000	250
255	20.6	183.5	17,900	25.8	200.6	16,100	30.0	212.6	14,200	255
260	16.6	168.0	17,100	22.8	189.2	15,300	27.5	203.2	13,500	260
265	11.3	146.8	16,300	19.3	175.7	14,500	24.6	192.7	12,800	265
270				15.0	158.7	13,800	21.4	180.5	12,100	270
275				8.7	133.5	13,000	17.7	165.9	11,400	275



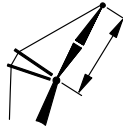
298,100 lb



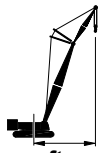
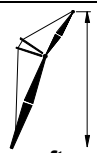
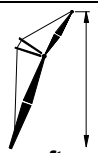
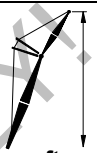
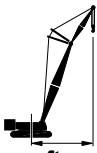
360°



98.4 ft



255.9 ft

	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
85	74.5	352.6	75,400							85
90	73.4	351.1	74,500							90
95	72.2	349.5	73,500							95
100	71.0	347.7	72,600							100
105	69.8	345.9	71,700	71.0	347.2	71,500				105
110	68.6	343.9	70,800	69.9	345.4	70,700				110
115	67.4	341.8	69,800	68.7	343.4	69,900				115
120	66.2	339.6	69,000	67.4	341.3	69,100	68.7	342.6	68,300	120
125	64.9	337.3	68,100	66.2	339.1	68,000	67.5	340.5	65,300	125
130	63.7	334.8	66,800	65.0	336.8	64,200	66.3	338.3	61,700	130
135	62.4	332.2	63,200	63.7	334.3	60,800	65.0	336.0	58,300	135
140	61.1	329.4	60,000	62.5	331.7	57,600	63.8	333.5	55,300	140
145	59.8	326.5	56,900	61.2	328.9	54,700	62.5	330.9	52,400	145
150	58.5	323.5	54,100	59.9	326.0	51,900	61.2	328.2	49,800	150
155	57.2	320.3	51,500	58.6	323.0	49,400	59.9	325.3	47,300	155
160	55.9	316.9	49,000	57.3	319.8	47,000	58.6	322.2	45,000	160
165	54.5	313.3	46,800	55.9	316.4	44,800	57.3	319.0	42,800	165
170	53.1	309.6	44,600	54.5	312.9	42,700	56.0	315.6	40,800	170
175	51.7	305.6	42,600	53.1	309.1	40,800	54.6	312.1	38,900	175
180	50.2	301.5	40,700	51.7	305.2	38,900	53.2	308.4	37,100	180
185	48.7	297.1	38,900	50.3	301.0	37,200	51.8	304.4	35,500	185
190	47.2	292.5	37,200	48.8	296.7	35,500	50.3	300.3	33,900	190
195	45.6	287.6	35,600	47.3	292.1	34,000	48.8	295.9	32,400	195
200	44.0	282.5	34,100	45.7	287.2	32,500	47.3	291.3	30,900	200
205	42.4	277.0	32,700	44.1	282.1	31,100	45.7	286.5	29,600	205
210	40.7	271.3	31,300	42.4	276.6	29,800	44.1	281.4	28,300	210
215	38.9	265.1	30,000	40.7	270.9	28,500	42.5	275.9	27,100	215
220	37.0	258.5	28,700	39.0	264.7	27,300	40.8	270.2	25,900	220
225	35.1	251.5	27,500	37.1	258.2	26,200	39.0	264.1	24,800	225
230	33.1	244.0	26,400	35.2	251.2	25,100	37.2	257.5	23,700	230
235	30.9	235.7	25,300	33.2	243.7	24,000	35.2	250.5	22,700	235
240	28.6	226.8	24,300	31.0	235.5	23,000	33.2	243.0	21,700	240
245	26.1	216.9	23,300	28.7	226.5	22,000	31.1	234.9	20,700	245
250	23.4	205.7	22,300	26.2	216.7	21,100	28.8	226.0	19,800	250
255	20.3	192.8	21,300	23.5	205.6	20,200	26.3	216.1	19,000	255
260	16.6	177.3	20,400	20.4	192.8	19,300	23.6	205.0	18,100	260
265	11.9	156.7	19,500	16.8	177.3	18,400	20.5	192.3	17,300	265
270				12.1	157.0	17,600	16.9	177.0	16,500	270
275				2.4	114.1	16,600	12.3	156.9	15,700	275
280							3.3	117.2	14,800	280
285										285

MLC300 S-1

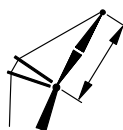
ASME B30.5



298,100 lb

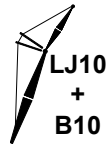


98.4 ft



255.9 ft

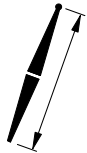
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.4	330.7	46,200							150
155	62.1	328.0	43,800							155
160	60.8	325.2	41,700							160
165	59.5	322.3	39,600							165
170	58.2	319.2	37,700							170
175	56.9	315.9	35,900							175
180	55.5	312.5	34,200	57.8	315.3	31,300				180
185	54.2	308.9	32,600	56.4	312.0	29,800				185
190	52.7	305.1	31,100	55.1	308.5	28,400				190
195	51.3	301.1	29,700	53.7	304.8	27,000				195
200	49.9	296.9	28,300	52.3	301.0	25,700				200
205	48.4	292.5	27,000	50.8	296.9	24,500	53.1	299.8	22,100	205
210	46.8	287.8	25,800	49.3	292.6	23,400	51.7	295.8	21,000	210
215	45.3	282.9	24,600	47.8	288.1	22,300	50.2	291.7	19,900	215
220	43.6	277.7	23,500	46.3	283.3	21,200	48.7	287.3	18,900	220
225	42.0	272.2	22,500	44.7	278.3	20,200	47.2	282.7	18,000	225
230	40.2	266.3	21,500	43.1	273.0	19,200	45.7	277.9	17,100	230
235	38.5	260.1	20,500	41.4	267.4	18,300	44.0	272.7	16,200	235
240	36.6	253.4	19,500	39.6	261.4	17,400	42.4	267.3	15,400	240
245	34.6	246.2	18,700	37.8	255.0	16,600	40.7	261.5	14,600	245
250	32.6	238.5	17,800	35.9	248.2	15,800	38.9	255.4	13,800	250
255	30.4	230.2	17,000	33.9	240.8	15,000	37.1	248.8	13,100	255
260	28.1	221.0	16,200	31.8	232.9	14,300	35.1	241.8	12,400	260
265	25.5	210.8	15,400	29.6	224.3	13,500	33.1	234.2	11,600	265
270	22.7	199.3	14,600	27.2	214.8	12,800	31.0	226.0	10,900	270
275	19.5	185.9	13,900	24.6	204.2	12,100				275
280	15.7	169.5	13,200	21.6	192.1	11,500				280
285	10.5	146.8	12,500							285



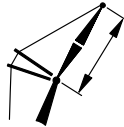
298,100 lb



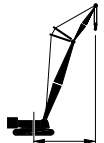
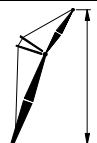
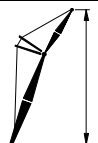
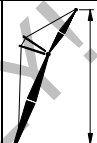
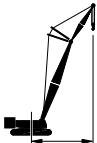
360°

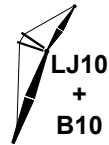


98.4 ft



275.6 ft

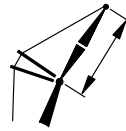
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.6	371.6	61,500							90
95	73.5	370.1	60,600							95
100	72.4	368.5	59,700							100
105	71.3	366.8	58,900							105
110	70.2	365.0	58,000	71.4	366.3	58,100				110
115	69.1	363.1	57,200	70.3	364.5	57,400				115
120	68.0	361.1	56,400	69.1	362.6	56,600				120
125	66.8	359.0	55,600	68.0	360.6	55,900				125
130	65.7	356.7	54,900	66.9	358.4	55,100	68.1	359.8	54,800	130
135	64.6	354.3	54,200	65.7	356.2	54,400	66.9	357.6	54,200	135
140	63.4	351.8	53,400	64.6	353.8	53,700	65.8	355.4	53,600	140
145	62.2	349.2	52,700	63.4	351.3	53,100	64.6	353.0	51,500	145
150	61.0	346.4	52,100	62.3	348.7	51,100	63.5	350.5	48,900	150
155	59.8	343.5	50,700	61.1	345.9	48,600	62.3	347.9	46,400	155
160	58.6	340.4	48,200	59.9	343.0	46,200	61.1	345.1	44,100	160
165	57.4	337.2	46,000	58.7	340.0	44,000	59.9	342.2	42,000	165
170	56.1	333.9	43,800	57.4	336.8	41,900	58.7	339.2	40,000	170
175	54.8	330.4	41,800	56.2	333.4	39,900	57.5	336.0	38,100	175
180	53.6	326.7	39,900	54.9	329.9	38,100	56.2	332.7	36,300	180
185	52.2	322.8	38,100	53.6	326.2	36,400	54.9	329.1	34,600	185
190	50.9	318.8	36,400	52.3	322.4	34,700	53.7	325.5	33,000	190
195	49.5	314.5	34,800	51.0	318.3	33,200	52.3	321.6	31,500	195
200	48.1	310.1	33,300	49.6	314.1	31,700	51.0	317.6	30,100	200
205	46.7	305.4	31,900	48.2	309.6	30,300	49.6	313.4	28,700	205
210	45.3	300.4	30,500	46.8	305.0	29,000	48.2	308.9	27,500	210
215	43.8	295.3	29,200	45.3	300.0	27,700	46.8	304.2	26,200	215
220	42.2	289.8	28,000	43.8	294.9	26,500	45.4	299.3	25,100	220
225	40.6	284.0	26,800	42.3	289.4	25,400	43.9	294.1	24,000	225
230	39.0	277.9	25,700	40.7	283.6	24,300	42.3	288.7	22,900	230
235	37.3	271.4	24,600	39.1	277.5	23,200	40.7	282.9	21,900	235
240	35.5	264.4	23,500	37.4	271.0	22,200	39.1	276.8	20,900	240
245	33.6	257.0	22,500	35.6	264.1	21,300	37.4	270.4	20,000	245
250	31.7	249.0	21,600	33.7	256.7	20,300	35.6	263.5	19,100	250
255	29.6	240.4	20,700	31.8	248.8	19,400	33.8	256.1	18,200	255
260	27.4	231.0	19,800	29.7	240.1	18,600	31.8	248.1	17,400	260
265	25.0	220.5	18,900	27.5	230.7	17,700	29.8	239.6	16,600	265
270	22.3	208.8	18,100	25.1	220.4	16,900	27.6	230.2	15,800	270
275	19.3	195.2	17,300	22.4	208.7	16,200	25.2	219.8	15,000	275
280	15.8	178.8	16,500	19.5	195.2	15,400	22.5	208.2	14,300	280
285	11.1	156.9	15,700	15.9	178.9	14,700	19.6	194.8	13,600	285
290				11.3	157.3	13,900	16.0	178.6	12,900	290
295							11.5	157.3	12,200	295



298,100 lb

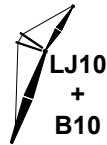


98.4 ft



275.6 ft

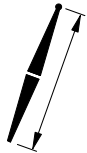
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160	63.1	347.7	40,700				160
165	61.9	345.0	38,700				165
170	60.7	342.2	36,800				170
175	59.5	339.2	35,000				175
180	58.3	336.2	33,300				180
185	57.1	332.9	31,700				185
190	55.8	329.5	30,200	57.9	332.3	27,400	190
195	54.5	326.0	28,800	56.6	329.0	26,100	195
200	53.3	322.3	27,400	55.4	325.5	24,800	200
205	51.9	318.4	26,100	54.1	321.9	23,600	205
210	50.6	314.3	24,900	52.8	318.1	22,400	210
215	49.2	310.0	23,800	51.5	314.2	21,300	215
220	47.8	305.4	22,700	50.1	310.0	20,300	220
225	46.4	300.7	21,600	48.7	305.6	19,300	225
230	44.9	295.7	20,600	47.3	301.0	18,400	230
235	43.4	290.5	19,600	45.9	296.2	17,400	235
240	41.9	284.9	18,700	44.4	291.1	16,600	240
245	40.3	279.0	17,800	42.9	285.8	15,700	245
250	38.6	272.8	17,000	41.3	280.1	14,900	250
255	36.9	266.2	16,200	39.7	274.1	14,200	255
260	35.1	259.2	15,400	38.0	267.8	13,400	260
265	33.2	251.7	14,600	36.3	261.0	12,700	265
270	31.2	243.5	13,900	34.4	253.8	12,000	270
275	29.1	234.7	13,200	32.5	246.1	11,300	275
280	26.8	225.1	12,500				280
285	24.4	214.4	11,800				285
290	21.7	202.3	11,200				290
295							295



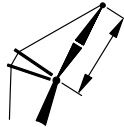
298,100 lb



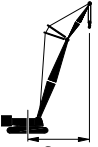
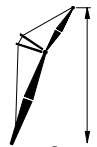
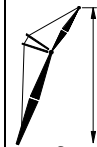
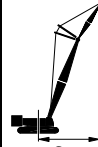
360°

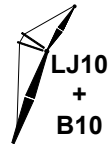


98.4 ft



295.3 ft

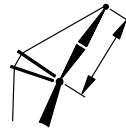
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.6	390.6	51,100							95
100	73.6	389.2	50,300							100
105	72.6	387.6	49,500							105
110	71.6	385.9	48,700							110
115	70.6	384.2	47,900	71.6	385.4	48,100				115
120	69.5	382.3	47,200	70.6	383.6	47,400				120
125	68.5	380.3	46,500	69.6	381.8	46,700				125
130	67.4	378.2	45,800	68.5	379.8	46,000				130
135	66.4	376.0	45,100	67.5	377.7	45,400	68.5	379.0	45,300	135
140	65.3	373.7	44,400	66.4	375.5	44,700	67.5	376.9	44,700	140
145	64.2	371.3	43,800	65.3	373.2	44,700	66.4	374.7	44,100	145
150	63.1	368.8	43,100	64.3	370.8	43,500	65.4	372.4	43,500	150
155	62.0	366.1	42,500	63.2	368.3	42,900	64.3	370.0	43,000	155
160	60.9	363.4	42,300	62.1	365.6	42,300	63.2	367.5	42,400	160
165	59.8	360.4	41,400	61.0	362.9	41,800	62.1	364.8	40,900	165
170	58.7	357.4	40,800	59.8	360.0	40,800	61.0	362.1	38,900	170
175	57.5	354.2	40,300	58.7	356.9	38,900	59.9	359.2	37,000	175
180	56.3	350.9	38,900	57.6	353.7	37,100	58.7	356.1	35,200	180
185	55.2	347.4	37,100	56.4	350.4	35,300	57.6	353.0	33,500	185
190	54.0	343.8	35,400	55.2	347.0	33,700	56.4	349.7	31,900	190
195	52.8	340.0	33,800	54.0	343.3	32,100	55.3	346.2	30,400	195
200	51.5	336.0	32,300	52.8	339.5	30,700	54.1	342.6	29,000	200
205	50.3	331.9	30,900	51.6	335.6	29,300	52.8	338.8	27,700	205
210	49.0	327.6	29,500	50.3	331.4	28,000	51.6	334.8	26,400	210
215	47.7	323.0	28,200	49.0	327.1	26,700	50.3	330.7	25,200	215
220	46.3	318.3	27,000	47.7	322.6	25,500	49.1	326.4	24,000	220
225	44.9	313.3	25,800	46.4	317.8	24,400	47.8	321.9	22,900	225
230	43.5	308.0	24,700	45.0	312.9	23,300	46.4	317.1	21,800	230
235	42.1	302.5	23,600	43.6	307.6	22,200	45.0	312.1	20,800	235
240	40.6	296.7	22,600	42.2	302.1	21,200	43.6	306.9	19,900	240
245	39.1	290.6	21,600	40.7	296.4	20,300	42.2	301.4	18,900	245
250	37.5	284.2	20,600	39.1	290.3	19,300	40.7	295.7	18,000	250
255	35.9	277.3	19,700	37.6	283.8	18,500	39.2	289.6	17,200	255
260	34.1	270.0	18,800	35.9	277.0	17,600	37.6	283.2	16,400	260
265	32.3	262.2	18,000	34.2	269.7	16,800	36.0	276.3	15,600	265
270	30.4	253.9	17,200	32.4	262.0	16,000	34.3	269.1	14,800	270
275	28.4	244.8	16,400	30.5	253.6	15,200	32.5	261.3	14,100	275
280	26.3	234.9	15,600	28.5	244.6	14,500	30.6	253.0	13,300	280
285	24.0	224.0	14,900	26.4	234.7	13,800	28.6	244.0	12,700	285
290	21.4	211.7	14,200	24.1	223.8	13,100	26.4	234.2	12,000	290
295	18.5	197.4	13,500	21.5	211.6	12,400	24.1	223.3	11,300	295
300	15.0	180.2	12,800	18.6	197.4	11,700				300
305	10.3	156.9	12,000	15.1	180.3	11,100				305



298,100 lb

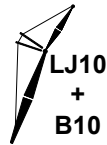


98.4 ft



295.3 ft

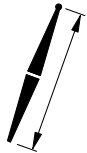
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165	64.0	367.2	37,500				165
170	62.9	364.6	35,600				170
175	61.8	362.0	33,800				175
180	60.7	359.1	32,100				180
185	59.5	356.2	30,600				185
190	58.4	353.1	29,100				190
195	57.2	349.9	27,600				195
200	56.1	346.6	26,300	58.0	349.2	23,600	200
205	54.9	343.0	25,000	56.8	346.0	22,400	205
210	53.7	339.4	23,800	55.7	342.6	21,300	210
215	52.5	335.5	22,600	54.5	339.0	20,200	215
220	51.2	331.5	21,500	53.3	335.3	19,100	220
225	50.0	327.3	20,500	52.0	331.4	18,100	225
230	48.7	323.0	19,500	50.8	327.3	17,200	230
235	47.3	318.4	18,500	49.5	323.0	16,300	235
240	46.0	313.6	17,600	48.2	318.6	15,400	240
245	44.6	308.5	16,700	46.9	313.9	14,600	245
250	43.2	303.2	15,900	45.5	309.0	13,800	250
255	41.8	297.7	15,100	44.1	303.9	12,900	255
260	40.3	291.8	14,300	42.7	298.5	12,100	260
265	38.7	285.6	13,600	41.2	292.9	11,200	265
270	37.1	279.1	12,800				270
275	35.5	272.1	12,100				275
280	33.7	264.7	11,400				280
285							285
290							290
295							295
300							300
305							305



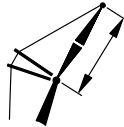
298,100 lb



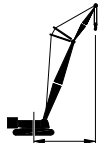
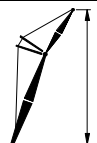
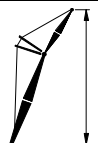
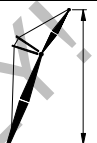
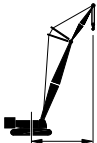
360°

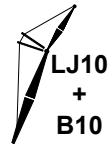


98.4 ft

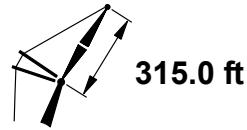
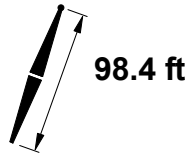


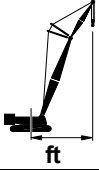
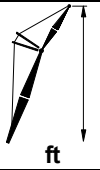
315.0 ft

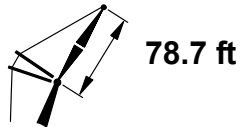
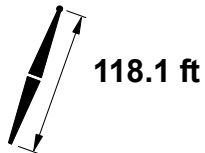
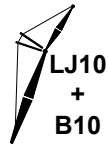
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.7	409.7	42,300							100
105	73.7	408.2	41,600							105
110	72.8	406.7	40,800							110
115	71.8	405.0	40,100							115
120	70.9	403.3	39,400	71.9	404.5	39,700				120
125	69.9	401.5	38,700	70.9	402.8	39,400				125
130	68.9	399.5	38,000	69.9	400.9	38,400				130
135	67.9	397.5	37,400	68.9	399.0	37,700				135
140	66.9	395.4	36,700	68.0	397.0	37,100	69.0	398.2	37,200	140
145	65.9	393.1	36,100	67.0	394.8	36,500	68.0	396.2	36,600	145
150	64.9	390.8	35,500	66.0	392.6	35,900	67.0	394.0	36,100	150
155	63.9	388.3	35,000	65.0	390.3	35,400	66.0	391.8	35,500	155
160	62.9	385.8	34,400	64.0	387.8	34,800	65.0	389.5	35,000	160
165	61.9	383.1	33,900	62.9	385.3	34,300	64.0	387.0	34,500	165
170	60.8	380.3	33,400	61.9	382.6	33,800	63.0	384.5	33,900	170
175	59.8	377.4	32,900	60.9	379.8	33,200	61.9	381.8	33,400	175
180	58.7	374.4	32,400	59.8	376.9	32,700	60.9	379.0	32,900	180
185	57.6	371.2	31,900	58.8	373.9	32,300	59.9	376.1	32,500	185
190	56.5	367.9	31,500	57.7	370.7	31,800	58.8	373.1	31,000	190
195	55.4	364.5	31,100	56.6	367.4	31,200	57.7	369.9	29,500	195
200	54.3	360.9	30,600	55.5	364.0	29,700	56.6	366.7	28,100	200
205	53.2	357.1	30,000	54.4	360.4	28,300	55.5	363.2	26,700	205
210	52.0	353.3	28,600	53.2	356.7	27,000	54.4	359.7	25,400	210
215	50.9	349.2	27,300	52.1	352.8	25,800	53.3	355.9	24,200	215
220	49.7	345.0	26,100	50.9	348.7	24,600	52.1	352.0	23,100	220
225	48.5	340.5	24,900	49.7	344.5	23,400	50.9	348.0	22,000	225
230	47.2	335.9	23,800	48.5	340.1	22,300	49.8	343.8	20,900	230
235	46.0	331.1	22,700	47.3	335.5	21,300	48.5	339.4	19,900	235
240	44.7	326.1	21,700	46.0	330.7	20,300	47.3	334.8	18,900	240
245	43.3	320.8	20,700	44.7	325.7	19,300	46.1	330.0	18,000	245
250	42.0	315.3	19,800	43.4	320.4	18,400	44.8	325.0	17,100	250
255	40.6	309.5	18,800	42.0	314.9	17,500	43.4	319.7	16,300	255
260	39.2	303.4	18,000	40.7	309.1	16,700	42.1	314.2	15,400	260
265	37.7	297.0	17,100	39.2	303.0	15,900	40.7	308.4	14,700	265
270	36.2	290.2	16,300	37.7	296.6	15,100	39.3	302.4	13,900	270
275	34.6	283.0	15,500	36.2	289.9	14,300	37.8	296.0	13,200	275
280	32.9	275.4	14,800	34.6	282.7	13,600	36.3	289.2	12,500	280
285	31.2	267.2	14,100	33.0	275.1	12,900	34.7	282.0	11,800	285
290	29.3	258.5	13,300	31.2	266.9	12,200	33.0	274.4	11,000	290
295	27.4	249.0	12,700	29.4	258.2	11,600				295
300	25.3	238.7	12,000	27.5	248.8	10,900				300
305	23.0	227.2	11,400							305

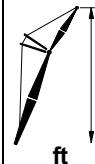
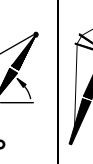
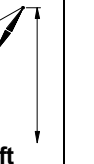
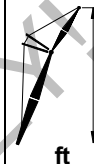


298,100 lb



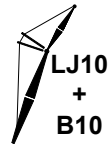
	75°		
			
	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175	63.7	384.2	32,800
180	62.7	381.6	31,100
185	61.6	378.9	29,500
190	60.6	376.1	28,100
195	59.5	373.2	26,600
200	58.5	370.1	25,300
205	57.4	366.9	24,000
210	56.3	363.6	22,800
215	55.2	360.1	21,700
220	54.1	356.5	20,600
225	52.9	352.7	19,500
230	51.8	348.8	18,500
235	50.6	344.7	17,600
240	49.4	340.4	16,700
245	48.2	335.9	15,800
250	46.9	331.3	14,900
255	45.7	326.4	14,100
260	44.4	321.3	13,300
265	43.0	316.0	12,500
270	41.7	310.4	11,600
275			
280			
285			
290			
295			
300			
305			



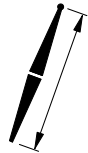
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
40	73.8	201.2	308,600 c							40
45	70.0	199.3	262,500 c							45
50	66.0	197.1	228,300 b							50
55	61.9	194.4	202,000							55
60	57.6	191.3	181,100							60
65	53.0	187.5	164,100	70.9	199.1	227,100 c				65
70	48.2	183.1	150,100	67.0	197.0	200,900 b				70
75	42.9	177.8	138,200	62.9	194.4	180,200	67.9	196.5	179,200 b	75
80	37.0	171.4	128,100	58.6	191.4	163,300	63.9	194.0	162,400 b	80
85	30.0	163.2	119,300	54.2	187.8	149,300	59.7	191.1	148,500	85
90	20.8	151.6	111,600	49.4	183.6	137,500	55.2	187.7	136,700	90
95				44.2	178.5	127,400	50.5	183.6	126,700	95
100				38.5	172.4	118,700	45.5	178.7	118,000	100
105				31.8	164.7	111,100	39.9	172.9	110,400	105
110				23.4	154.3	104,400	33.5	165.7	102,900	110
115				7.8	133.5	98,400	25.6	156.1	96,100	115
120							13.5	140.2	89,900	120
125										125
130										130
135										135

MLC300 S-1

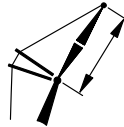
ASME B30.5



298,100 lb

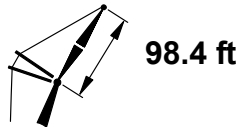
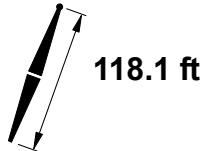
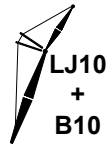


118.1 ft

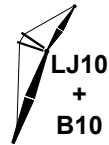


78.7 ft

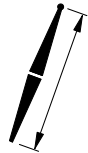
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75	64.0	191.7	132,100 b							75
80	59.8	188.8	121,600							80
85	55.4	185.3	112,400							85
90	50.7	181.3	104,300							90
95	45.6	176.5	97,200	55.3	182.0	91,600				95
100	40.1	170.7	90,900	50.6	177.9	85,600				100
105	33.7	163.5	85,200	45.5	173.1	80,300				105
110	25.9	154.0	80,000	40.0	167.2	75,400	50.2	173.3	70,800	110
115	14.0	138.5	75,100	33.6	160.0	71,000	45.1	168.4	66,700	115
120				25.7	150.5	67,000	39.4	162.5	62,900	120
125				13.7	134.7	63,100	33.0	155.2	59,400	125
130							24.9	145.3	56,200	130
135							12.0	128.3	53,000	135



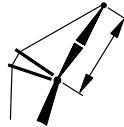
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.1	220.2	263,700 b							45
50	71.1	218.5	229,400 b							50
55	67.9	216.5	203,000	71.8	218.2	201,900 b				55
60	64.7	214.1	182,000	68.7	216.3	181,000				60
65	61.4	211.4	164,900	65.5	214.0	164,000				65
70	58.0	208.2	150,800	62.2	211.4	149,900	66.3	213.5	149,100	70
75	54.4	204.7	138,800	58.8	208.3	138,100	63.0	211.0	137,300	75
80	50.6	200.6	128,700	55.3	204.9	128,000	59.6	208.1	127,300	80
85	46.7	196.0	119,900	51.6	201.0	119,200	56.1	204.7	118,200	85
90	42.4	190.6	112,200	47.6	196.4	111,600	52.5	200.9	109,800	90
95	37.7	184.3	105,400	43.5	191.3	104,800	48.6	196.5	102,400	95
100	32.4	176.7	99,400	38.9	185.2	98,900	44.5	191.5	95,700	100
105	26.1	167.1	94,100	33.8	178.0	93,000	40.0	185.7	89,800	105
110	17.7	153.6	89,200	27.8	169.0	87,400	35.0	178.8	84,500	110
115				20.1	156.8	82,300	29.3	170.3	79,600	115
120				3.8	129.3	77,300	22.2	159.1	75,100	120
125							10.8	140.2	70,800	125
130										130
135										135
140										140
145										145
150										150
155										155



298,100 lb

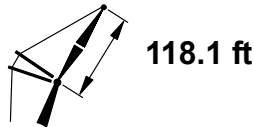
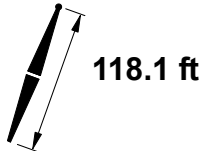
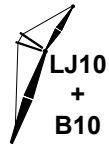


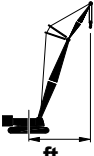
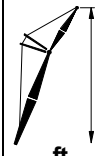
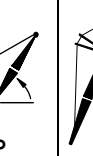
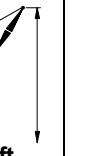
118.1 ft

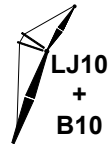


98.4 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	63.1	208.6		111,300						85
90	59.7	205.7		103,400						90
95	56.2	202.4		96,300						95
100	52.6	198.6		90,100						100
105	48.7	194.2		84,500	56.2	199.0	79,200			105
110	44.6	189.2		79,500	52.5	195.2	74,500			110
115	40.1	183.4		74,900	48.6	190.8	70,200			115
120	35.2	176.6		70,700	44.5	185.8	66,300	52.2	190.7	61,900
125	29.5	168.1		66,900	40.0	180.0	62,700	48.3	186.3	58,500
130	22.4	157.1		63,300	35.1	173.1	59,400	44.1	181.2	55,400
135	11.3	138.7		59,800	29.4	164.6	56,300	39.6	175.3	52,500
140					22.2	153.5	53,400	34.6	168.3	49,900
145					10.9	134.7	50,500	28.8	159.6	47,400
150								21.5	148.2	45,000
155								9.2	127.7	42,600



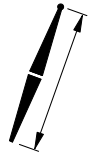
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	74.3	239.3	230,200	b						50
55	71.8	237.6	203,600							55
60	69.2	235.7	182,600							60
65	66.5	233.5	165,500		69.8	235.5	164,600			65
70	63.8	231.1	151,300		67.2	233.4	150,400			70
75	61.1	228.3	139,300		64.5	231.0	138,500	67.8	232.9	137,800
80	58.2	225.2	129,100		61.8	228.3	128,400	65.1	230.6	127,200
85	55.3	221.8	120,200		58.9	225.3	119,600	62.4	227.9	117,600
90	52.2	217.9	112,500		56.0	221.9	111,900	59.6	225.0	109,200
95	49.0	213.6	105,800		53.0	218.2	105,200	56.7	221.7	101,800
100	45.6	208.8	99,700		49.8	214.0	98,800	53.7	218.1	95,200
105	42.0	203.3	94,400		46.5	209.3	92,700	50.6	214.0	89,300
110	38.2	197.1	89,500		42.9	204.0	87,200	47.3	209.4	84,100
115	33.9	189.8	85,200		39.1	198.0	82,200	43.8	204.3	79,300
120	29.1	181.2	80,500		35.0	191.0	77,700	40.1	198.4	74,900
125	23.3	170.4	76,200		30.3	182.8	73,600	36.0	191.7	70,900
130	15.4	155.0	72,200		24.8	172.6	69,700	31.5	183.8	67,200
135					17.7	158.8	66,100	26.2	174.2	63,800
140								19.6	161.5	60,600
145								8.5	139.3	57,500
150										150
155										155
160										160
165										165
170										170
175										175



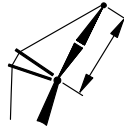
298,100 lb



360°

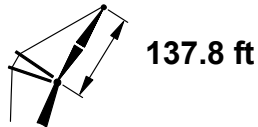
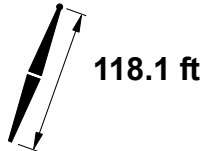
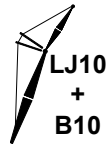


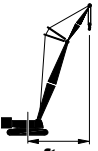
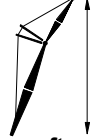
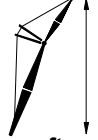
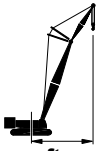
118.1 ft



118.1 ft

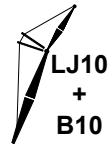
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	62.5	225.6		95,600						95
100	59.7	222.7		89,400						100
105	56.8	219.4		83,800						105
110	53.8	215.8		78,800						110
115	50.7	211.7		74,300	56.7	216.0				115
120	47.4	207.1		70,200	53.7	212.4				120
125	43.9	202.0		66,400	50.6	208.3				125
130	40.2	196.2		63,000	47.3	203.7				130
135	36.1	189.5		59,800	43.8	198.6	53.5	207.9	54,600	135
140	31.6	181.6		56,800	40.1	192.8	50.3	203.8	51,800	140
145	26.4	172.1		54,000	36.0	186.0	47.0	199.2	49,200	145
150	19.8	159.5		51,400	31.5	178.2	43.5	194.0	46,800	150
155	9.1	138.0		48,800	26.3	168.6	39.8	188.1	44,500	155
160					19.7	155.9	35.7	181.3	42,400	160
165					8.7	134.0	31.1	173.3	40,400	165
170							25.8	163.5	38,500	170
175							19.0	150.4	36,700	175
							6.9	126.0	34,800	175



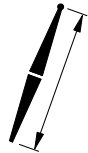
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
55	74.5	258.3	202,700							55
60	72.3	256.7	183,400							60
65	70.1	254.9	166,200							65
70	67.8	252.9	151,900	70.6	254.7	151,100				70
75	65.5	250.6	139,900	68.4	252.7	139,100				75
80	63.2	248.1	129,600	66.1	250.5	128,900	68.9	252.1	126,100	80
85	60.8	245.3	120,800	63.8	248.0	120,100	66.6	250.0	116,500	85
90	58.4	242.2	113,000	61.4	245.3	112,300	64.3	247.6	108,100	90
95	55.9	238.8	106,200	59.0	242.3	104,600	62.0	244.9	100,800	95
100	53.3	235.1	100,200	56.5	239.0	97,900	59.6	242.0	94,200	100
105	50.6	231.0	94,800	53.9	235.3	91,800	57.1	238.7	88,400	105
110	47.8	226.5	89,700	51.3	231.4	86,400	54.6	235.2	83,100	110
115	44.9	221.6	84,600	48.5	227.0	81,400	51.9	231.3	78,300	115
120	41.8	216.0	79,900	45.6	222.1	77,000	49.2	227.0	74,000	120
125	38.5	209.9	75,700	42.6	216.7	72,900	46.3	222.3	70,100	125
130	34.9	202.9	71,800	39.3	210.7	69,100	43.3	217.0	66,400	130
135	31.0	194.8	68,200	35.8	204.0	65,600	40.1	211.2	63,100	135
140	26.5	185.2	64,800	32.0	196.2	62,400	36.7	204.6	60,000	140
145	21.0	173.2	61,700	27.6	187.0	59,400	32.9	197.1	57,100	145
150	13.6	155.9	58,700	22.5	175.7	56,600	28.7	188.3	54,400	150
155				15.7	160.3	53,900	23.8	177.6	51,900	155
160							17.6	163.5	49,500	160
165							6.5	137.5	47,100	165
170										170
175										175
180										180
185										185
190										190
195										195

MLC300 S-1

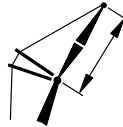
ASME B30.5



298,100 lb

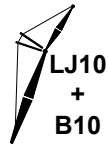


118.1 ft



137.8 ft

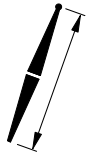
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.1	242.6	82,700							105
110	59.6	239.6	77,700							110
115	57.2	236.4	73,200							115
120	54.6	232.9	69,100							120
125	52.0	229.0	65,400	57.1	233.0	60,800				125
130	49.3	224.7	62,000	54.6	229.5	57,600				130
135	46.4	220.0	58,800	51.9	225.6	54,600				135
140	43.4	214.8	55,900	49.2	221.3	51,900				140
145	40.2	208.9	53,200	46.3	216.6	49,300	51.7	221.1	45,600	145
150	36.8	202.4	50,700	43.3	211.3	47,000	49.0	216.8	43,300	150
155	33.0	194.9	48,300	40.1	205.5	44,800	46.1	212.0	41,300	155
160	28.8	186.1	46,100	36.7	198.9	42,700	43.1	206.7	39,300	160
165	24.0	175.5	44,000	32.9	191.4	40,700	39.9	200.8	37,500	165
170	17.8	161.6	42,000	28.7	182.6	38,900	36.4	194.2	35,800	170
175	7.2	136.5	40,000	23.9	172.0	37,100	32.6	186.6	34,200	175
180				17.6	157.9	35,500	28.4	177.7	32,600	180
185				6.7	132.2	33,700	23.4	166.8	31,200	185
190							17.0	152.3	29,700	190
195							4.4	122.5	28,200	195



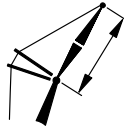
298,100 lb



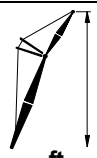
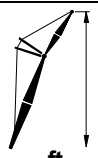
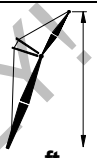
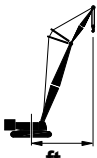
360°



118.1 ft

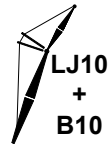


157.5 ft

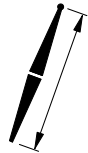
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	74.6	277.4	166,400							60
65	72.7	275.8	159,300							65
70	70.7	274.1	152,300							70
75	68.8	272.1	140,500	71.2	273.8	139,800				75
80	66.8	270.0	130,200	69.3	271.9	129,500				80
85	64.8	267.6	121,300	67.3	269.8	119,700				85
90	62.8	265.0	113,500	65.3	267.5	111,100	67.8	269.3	106,900	90
95	60.7	262.2	106,700	63.3	265.0	103,500	65.8	267.0	99,500	95
100	58.5	259.2	100,500	61.2	262.2	96,700	63.7	264.6	93,000	100
105	56.4	255.8	94,200	59.1	259.2	90,700	61.7	261.9	87,100	105
110	54.1	252.2	88,600	56.9	256.0	85,200	59.6	258.9	81,900	110
115	51.8	248.3	83,500	54.7	252.4	80,300	57.4	255.7	77,100	115
120	49.4	244.1	78,900	52.4	248.6	75,900	55.2	252.3	72,800	120
125	46.9	239.4	74,700	50.0	244.4	71,800	52.9	248.5	68,900	125
130	44.3	234.4	70,800	47.5	239.9	68,000	50.6	244.4	65,300	130
135	41.6	228.8	67,200	45.0	234.9	64,600	48.1	240.0	61,900	135
140	38.7	222.6	64,000	42.3	229.5	61,400	45.6	235.1	58,900	140
145	35.6	215.8	60,900	39.5	223.5	58,500	42.9	229.8	56,000	145
150	32.3	208.1	58,000	36.4	216.8	55,700	40.1	223.9	53,400	150
155	28.6	199.2	55,400	33.2	209.4	53,100	37.2	217.4	50,900	155
160	24.4	188.7	52,900	29.5	200.8	50,700	33.9	210.2	48,600	160
165	19.2	175.5	50,500	25.5	190.8	48,500	30.4	201.9	46,400	165
170	12.0	156.3	48,200	20.6	178.4	46,300	26.5	192.3	44,300	170
175				14.1	161.4	44,200	21.9	180.6	42,400	175
180							15.9	165.0	40,500	180
185							4.5	134.1	38,600	185
190										190
195										195
200										200
205										205
210										210

MLC300 S-1

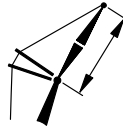
ASME B30.5



298,100 lb

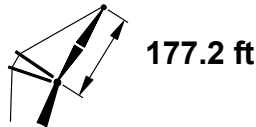
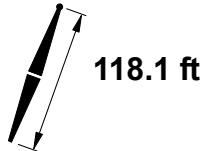
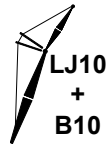


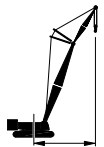
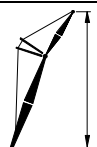
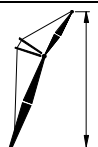
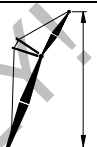
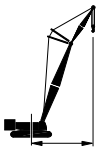
118.1 ft



157.5 ft

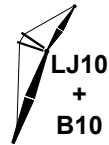
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.8	262.2	76,300							110
115	61.7	259.5	71,900							115
120	59.6	256.6	67,800							120
125	57.5	253.4	64,100							125
130	55.3	249.9	60,700							130
135	53.0	246.2	57,500	57.4	250.0	53,200				135
140	50.6	242.1	54,700	55.2	246.6	50,500				140
145	48.2	237.7	52,000	52.9	242.8	48,000				145
150	45.7	232.8	49,500	50.6	238.7	45,600				150
155	43.0	227.5	47,200	48.2	234.3	43,500	52.7	238.3	39,900	155
160	40.2	221.7	45,000	45.6	229.4	41,400	50.4	234.2	38,000	160
165	37.2	215.2	42,900	43.0	224.1	39,500	47.9	229.7	36,200	165
170	34.0	208.0	41,000	40.2	218.3	37,700	45.4	224.8	34,500	170
175	30.5	199.7	39,200	37.2	211.8	36,000	42.7	219.5	32,900	175
180	26.6	190.1	37,500	34.0	204.5	34,400	39.9	213.6	31,400	180
185	22.0	178.5	35,800	30.5	196.2	32,900	36.9	207.0	30,000	185
190	16.1	163.2	34,200	26.5	186.6	31,400	33.7	199.7	28,600	190
195	5.3	133.8	32,600	21.9	175.0	30,000	30.1	191.3	27,300	195
200				16.0	159.5	28,700	26.2	181.6	26,100	200
205				4.8	129.1	27,200	21.5	169.7	24,900	205
210							15.4	153.7	23,700	210



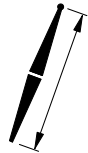
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.7	296.4	148,700							65
70	73.0	294.9	143,500							70
75	71.3	293.2	137,900							75
80	69.5	291.3	130,800	71.7	292.9	128,600				80
85	67.8	289.3	121,800	70.0	291.1	118,700				85
90	66.0	287.0	114,000	68.2	289.1	110,100				90
95	64.2	284.6	106,500	66.4	286.9	102,400	68.6	288.5	98,400	95
100	62.4	282.0	99,500	64.7	284.5	95,700	66.9	286.4	91,800	100
105	60.5	279.2	93,300	62.8	281.9	89,700	65.1	284.1	86,000	105
110	58.6	276.1	87,700	61.0	279.2	84,200	63.3	281.5	80,800	110
115	56.7	272.9	82,600	59.1	276.2	79,300	61.4	278.8	76,000	115
120	54.7	269.3	78,000	57.2	273.0	74,900	59.6	275.9	71,700	120
125	52.7	265.5	73,800	55.2	269.5	70,800	57.6	272.7	67,800	125
130	50.6	261.4	69,900	53.2	265.8	67,100	55.7	269.3	64,200	130
135	48.5	257.0	66,400	51.1	261.8	63,600	53.7	265.6	60,900	135
140	46.2	252.3	63,100	49.0	257.4	60,500	51.6	261.7	57,800	140
145	43.9	247.1	60,100	46.8	252.8	57,500	49.5	257.5	55,000	145
150	41.5	241.5	57,200	44.5	247.7	54,800	47.3	252.9	52,400	150
155	38.9	235.4	54,600	42.1	242.2	52,300	45.0	247.9	49,900	155
160	36.2	228.7	52,100	39.6	236.3	49,900	42.7	242.5	47,600	160
165	33.3	221.2	49,800	36.9	229.7	47,700	40.2	236.7	45,500	165
170	30.2	212.9	47,700	34.0	222.4	45,600	37.5	230.3	43,500	170
175	26.6	203.2	45,600	31.0	214.3	43,600	34.7	223.2	41,600	175
180	22.6	191.9	43,600	27.5	205.0	41,700	31.7	215.3	39,800	180
185	17.7	177.6	41,800	23.7	194.1	39,900	28.4	206.3	38,100	185
190	10.7	156.4	40,000	19.0	180.7	38,200	24.6	195.9	36,400	190
195				12.8	162.1	36,600	20.2	183.2	34,900	195
200							14.5	166.2	33,400	200
205										205
210										210
215										215
220										220
225										225
230										230

MLC300 S-1

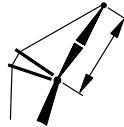
ASME B30.5



298,100 lb

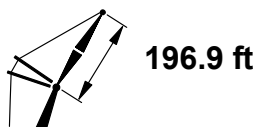
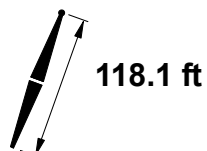


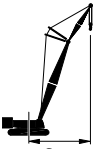
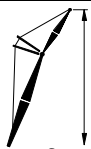
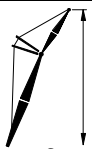
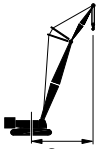
118.1 ft



177.2 ft

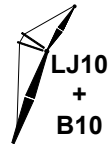
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.3	279.2	66,600							120
125	61.5	276.5	62,900							125
130	59.6	273.5	59,500							130
135	57.7	270.4	56,400							135
140	55.7	267.0	53,500							140
145	53.7	263.3	50,800	57.7	267.0	46,700				145
150	51.7	259.4	48,400	55.7	263.6	44,400				150
155	49.6	255.2	46,100	53.7	259.9	42,300				155
160	47.4	250.6	43,900	51.6	256.0	40,200				160
165	45.1	245.6	41,900	49.5	251.8	38,300	53.5	255.5	34,900	165
170	42.7	240.3	40,000	47.3	247.2	36,600	51.5	251.5	33,200	170
175	40.2	234.4	38,200	45.0	242.2	34,900	49.3	247.2	31,700	175
180	37.6	228.0	36,500	42.7	236.9	33,300	47.1	242.6	30,200	180
185	34.8	221.0	34,900	40.2	231.0	31,800	44.9	237.6	28,800	185
190	31.8	213.1	33,400	37.6	224.6	30,400	42.5	232.2	27,500	190
195	28.5	204.2	32,000	34.8	217.5	29,100	40.0	226.3	26,200	195
200	24.8	193.8	30,600	31.7	209.6	27,800	37.3	219.9	25,000	200
205	20.4	181.2	29,300	28.4	200.6	26,600	34.5	212.7	23,900	205
210	14.7	164.4	28,000	24.7	190.2	25,400	31.5	204.7	22,800	210
215	3.0	128.6	26,600	20.3	177.6	24,200	28.1	195.7	21,700	215
220				14.6	160.7	23,100	24.3	185.1	20,700	220
225				1.7	121.1	21,900	19.9	172.2	19,800	225
230							14.0	154.7	18,800	230



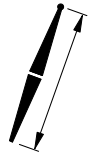
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
70	74.7	315.5	128,400							70
75	73.2	313.9	127,600							75
80	71.7	312.3	126,000							80
85	70.1	310.5	122,200							85
90	68.6	308.5	113,700	70.5	310.2	109,300				90
95	67.0	306.4	105,800	68.9	308.3	101,700				95
100	65.4	304.1	98,900	67.4	306.2	94,900				100
105	63.7	301.6	92,600	65.8	303.9	88,900	67.7	305.7	85,200	105
110	62.1	299.0	87,000	64.1	301.5	83,500	66.1	303.5	80,000	110
115	60.4	296.1	81,900	62.5	298.9	78,600	64.5	301.1	75,200	115
120	58.7	293.1	77,300	60.8	296.1	74,100	62.9	298.5	70,900	120
125	57.0	289.8	73,100	59.1	293.1	70,100	61.2	295.8	67,000	125
130	55.2	286.4	69,300	57.4	290.0	66,300	59.5	292.8	63,400	130
135	53.4	282.7	65,700	55.7	286.5	62,900	57.8	289.7	60,100	135
140	51.6	278.7	62,500	53.9	282.9	59,800	56.1	286.3	57,100	140
145	49.6	274.5	59,400	52.0	279.0	56,800	54.3	282.8	54,300	145
150	47.7	270.0	56,600	50.1	274.9	54,100	52.5	278.9	51,600	150
155	45.7	265.1	54,000	48.2	270.4	51,600	50.6	274.8	49,200	155
160	43.6	259.9	51,500	46.2	265.6	49,200	48.6	270.4	46,900	160
165	41.4	254.3	49,300	44.1	260.5	47,000	46.6	265.8	44,800	165
170	39.1	248.2	47,100	41.9	255.0	44,900	44.6	260.7	42,800	170
175	36.7	241.6	45,100	39.6	249.0	43,000	42.4	255.3	40,900	175
180	34.1	234.3	43,200	37.3	242.5	41,100	40.2	249.4	39,100	180
185	31.3	226.3	41,400	34.7	235.4	39,400	37.8	243.1	37,400	185
190	28.3	217.2	39,600	32.0	227.6	37,700	35.3	236.1	35,800	190
195	25.0	206.9	38,000	29.1	218.8	36,200	32.7	228.5	34,300	195
200	21.1	194.7	36,400	25.8	208.9	34,700	29.8	220.0	32,900	200
205	16.4	179.3	34,900	22.1	197.2	33,200	26.6	210.3	31,500	205
210	9.5	156.0	33,400	17.7	182.7	31,900	23.1	199.1	30,200	210
215				11.6	162.4	30,500	18.8	185.5	28,900	215
220							13.3	167.1	27,700	220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-1

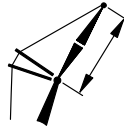
ASME B30.5



298,100 lb

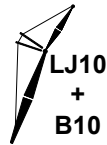


118.1 ft



196.9 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	62.9	296.2	58,600							130
135	61.3	293.4	55,500							135
140	59.6	290.5	52,600							140
145	57.9	287.4	50,000							145
150	56.1	284.0	47,500							150
155	54.3	280.4	45,200	57.8	284.0	41,400				155
160	52.5	276.6	43,100	56.1	280.6	39,300				160
165	50.6	272.5	41,100	54.3	277.0	37,500				165
170	48.7	268.1	39,200	52.5	273.2	35,700				170
175	46.7	263.5	37,400	50.6	269.1	34,000				175
180	44.6	258.4	35,800	48.7	264.7	32,500	52.3	268.7	29,300	180
185	42.5	253.0	34,200	46.7	260.1	31,000	50.4	264.6	27,900	185
190	40.3	247.2	32,700	44.6	255.0	29,600	48.5	260.2	26,600	190
195	37.9	240.8	31,300	42.4	249.6	28,300	46.5	255.5	25,400	195
200	35.4	233.9	29,900	40.2	243.7	27,000	44.4	250.4	24,200	200
205	32.8	226.3	28,700	37.9	237.4	25,800	42.3	245.0	23,100	205
210	29.9	217.8	27,400	35.4	230.5	24,700	40.0	239.1	22,000	210
215	26.7	208.2	26,300	32.7	222.8	23,600	37.6	232.7	21,000	215
220	23.2	197.0	25,100	29.8	214.3	22,600	35.1	225.7	20,000	220
225	19.0	183.5	24,100	26.7	204.7	21,600	32.5	218.0	19,100	225
230	13.5	165.4	23,000	23.1	193.5	20,600	29.6	209.4	18,200	230
235				18.9	179.9	19,600	26.4	199.6	17,300	235
240				13.4	161.6	18,700	22.8	188.3	16,500	240
245							18.5	174.4	15,700	245
250							12.8	155.5	14,800	250



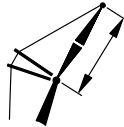
298,100 lb



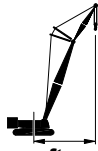
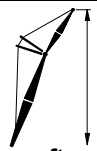
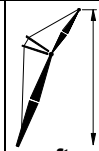
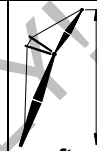
360°



118.1 ft

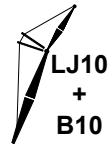


216.5 ft

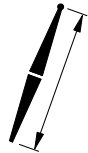
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.8	334.5	105,800							75
80	73.4	333.0	105,100							80
85	72.0	331.4	104,300							85
90	70.6	329.6	103,400							90
95	69.2	327.7	102,600	70.9	329.4	100,600				95
100	67.7	325.7	97,900	69.5	327.5	93,800				100
105	66.3	323.5	91,600	68.1	325.5	87,800				105
110	64.8	321.1	86,000	66.7	323.3	82,400	68.4	324.9	78,800	110
115	63.4	318.6	81,000	65.2	321.0	77,500	67.0	322.8	74,100	115
120	61.9	315.9	76,300	63.7	318.5	73,100	65.5	320.5	69,800	120
125	60.3	313.1	72,100	62.2	315.9	69,000	64.1	318.1	65,900	125
130	58.8	310.1	68,300	60.7	313.1	65,300	62.6	315.5	62,300	130
135	57.2	306.8	64,800	59.2	310.1	61,900	61.1	312.7	59,000	135
140	55.6	303.4	61,500	57.6	306.9	58,700	59.5	309.8	56,000	140
145	54.0	299.8	58,500	56.0	303.6	55,800	58.0	306.7	53,200	145
150	52.3	295.9	55,700	54.4	300.0	53,100	56.4	303.4	50,600	150
155	50.6	291.9	53,000	52.7	296.2	50,600	54.8	299.8	48,100	155
160	48.9	287.5	50,600	51.0	292.2	48,200	53.1	296.1	45,800	160
165	47.0	282.9	48,300	49.3	287.9	46,000	51.4	292.1	43,700	165
170	45.2	277.9	46,200	47.5	283.3	43,900	49.7	287.9	41,700	170
175	43.3	272.7	44,200	45.7	278.5	42,000	47.9	283.4	39,900	175
180	41.3	267.0	42,300	43.7	273.3	40,200	46.1	278.6	38,100	180
185	39.2	260.9	40,500	41.8	267.7	38,400	44.2	273.5	36,400	185
190	37.0	254.4	38,800	39.7	261.8	36,800	42.2	268.0	34,800	190
195	34.7	247.3	37,200	37.6	255.3	35,300	40.2	262.2	33,300	195
200	32.3	239.5	35,600	35.3	248.4	33,800	38.1	255.9	31,900	200
205	29.6	230.9	34,200	32.9	240.8	32,400	35.8	249.0	30,600	205
210	26.8	221.3	32,800	30.3	232.4	31,000	33.5	241.6	29,300	210
215	23.6	210.3	31,400	27.5	223.0	29,800	30.9	233.4	28,100	215
220	19.9	197.2	30,200	24.4	212.4	28,500	28.2	224.3	26,900	220
225	15.3	180.7	28,900	20.8	199.9	27,400	25.1	214.0	25,800	225
230	8.4	155.2	27,700	16.5	184.5	26,200	21.7	202.1	24,700	230
235				10.5	162.5	25,100	17.6	187.5	23,600	235
240							12.2	167.7	22,600	240
245										245
250										250
255										255
260										260
265										265
270										270

MLC300 S-1

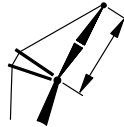
ASME B30.5



298,100 lb

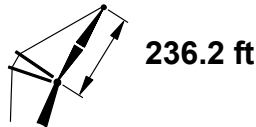
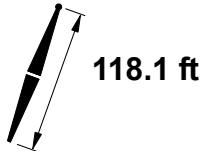
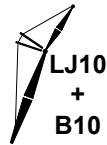


118.1 ft



216.5 ft

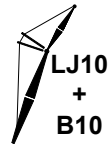
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	62.6	313.1	51,400							140
145	61.1	310.4	48,800							145
150	59.6	307.5	46,300							150
155	58.0	304.3	44,100							155
160	56.4	301.0	41,900							160
165	54.8	297.5	39,900	58.0	301.0	36,200				165
170	53.2	293.8	38,100	56.4	297.6	34,500				170
175	51.5	289.8	36,300	54.8	294.1	32,800				175
180	49.8	285.6	34,600	53.1	290.4	31,300				180
185	48.0	281.1	33,100	51.4	286.4	29,800				185
190	46.1	276.3	31,600	49.7	282.2	28,400	53.0	285.9	25,300	190
195	44.3	271.2	30,200	47.9	277.7	27,100	51.3	281.9	24,100	195
200	42.3	265.8	28,900	46.1	272.9	25,900	49.6	277.7	22,900	200
205	40.3	259.9	27,600	44.2	267.8	24,700	47.8	273.1	21,800	205
210	38.1	253.6	26,400	42.3	262.4	23,600	45.9	268.3	20,800	210
215	35.9	246.8	25,300	40.2	256.5	22,500	44.1	263.2	19,800	215
220	33.5	239.4	24,200	38.1	250.2	21,500	42.1	257.7	18,800	220
225	31.0	231.2	23,100	35.9	243.4	20,500	40.0	251.8	17,900	225
230	28.3	222.2	22,100	33.5	235.9	19,500	37.9	245.5	17,000	230
235	25.2	211.9	21,100	30.9	227.8	18,600	35.7	238.6	16,200	235
240	21.8	200.0	20,200	28.2	218.7	17,800	33.3	231.1	15,400	240
245	17.8	185.5	19,300	25.2	208.4	16,900	30.7	222.9	14,600	245
250	12.4	166.0	18,400	21.7	196.4	16,100	28.0	213.7	13,900	250
255				17.7	181.9	15,300	24.9	203.3	13,100	255
260				12.3	162.2	14,500	21.4	191.2	12,400	260
265							17.3	176.3	11,700	265
270							11.7	155.9	11,000	270



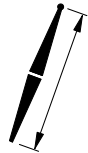
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80	74.8	353.5	87,300							80
85	73.5	352.1	86,500							85
90	72.3	350.5	85,700							90
95	71.0	348.7	84,900							95
100	69.7	346.9	84,100	71.3	348.5	83,500				100
105	68.4	344.9	83,200	70.0	346.6	82,800				105
110	67.1	342.8	82,400	68.7	344.7	81,500				110
115	65.7	340.5	80,100	67.4	342.6	76,600				115
120	64.4	338.1	75,500	66.1	340.4	72,200	67.7	342.1	68,800	120
125	63.0	335.6	71,300	64.7	338.0	68,100	66.4	339.9	64,900	125
130	61.7	332.9	67,400	63.4	335.5	64,400	65.1	337.6	61,400	130
135	60.3	330.0	63,900	62.0	332.9	61,000	63.7	335.1	58,100	135
140	58.9	327.0	60,600	60.6	330.0	57,800	62.3	332.5	55,000	140
145	57.4	323.8	57,600	59.2	327.1	54,900	60.9	329.7	52,200	145
150	55.9	320.4	54,800	57.8	323.9	52,200	59.5	326.7	49,600	150
155	54.5	316.9	52,200	56.3	320.6	49,700	58.1	323.6	47,200	155
160	52.9	313.1	49,800	54.8	317.1	47,300	56.7	320.4	44,900	160
165	51.4	309.1	47,500	53.3	313.4	45,100	55.2	316.9	42,800	165
170	49.8	304.9	45,300	51.8	309.4	43,100	53.7	313.2	40,800	170
175	48.2	300.5	43,300	50.2	305.3	41,100	52.1	309.3	38,900	175
180	46.5	295.8	41,400	48.6	300.9	39,300	50.6	305.2	37,200	180
185	44.8	290.8	39,700	46.9	296.2	37,600	49.0	300.9	35,500	185
190	43.0	285.4	38,000	45.2	291.3	36,000	47.3	296.3	34,000	190
195	41.2	279.8	36,400	43.5	286.1	34,400	45.6	291.5	32,500	195
200	39.3	273.7	34,800	41.6	280.5	33,000	43.9	286.3	31,100	200
205	37.3	267.2	33,400	39.8	274.5	31,600	42.1	280.8	29,700	205
210	35.2	260.2	32,000	37.8	268.1	30,200	40.2	274.9	28,500	210
215	33.0	252.7	30,700	35.7	261.3	29,000	38.3	268.7	27,200	215
220	30.7	244.4	29,500	33.6	253.9	27,800	36.2	261.9	26,100	220
225	28.1	235.3	28,300	31.3	245.8	26,600	34.1	254.6	25,000	225
230	25.4	225.0	27,100	28.8	236.9	25,500	31.8	246.7	23,900	230
235	22.3	213.4	26,000	26.1	227.0	24,500	29.4	238.0	22,900	235
240	18.7	199.5	24,900	23.1	215.7	23,400	26.7	228.4	21,900	240
245	14.3	181.8	23,900	19.7	202.4	22,400	23.8	217.4	21,000	245
250	7.4	153.9	22,800	15.5	186.0	21,500	20.5	204.7	20,100	250
255				9.6	162.1	20,500	16.6	189.2	19,200	255
260							11.3	168.0	18,300	260
265										265
270										270
275										275
280										280

MLC300 S-1

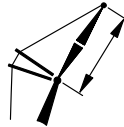
ASME B30.5



298,100 lb

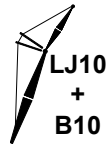


118.1 ft



236.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.7	332.7	47,800							145
150	62.4	330.1	45,300							150
155	61.0	327.3	43,100							155
160	59.6	324.4	40,900							160
165	58.1	321.3	39,000							165
170	56.7	318.0	37,100							170
175	55.2	314.6	35,300	58.1	317.9	31,800				175
180	53.7	310.9	33,700	56.7	314.6	30,300				180
185	52.2	307.0	32,100	55.2	311.2	28,800				185
190	50.6	302.9	30,700	53.7	307.5	27,400				190
195	49.0	298.6	29,300	52.2	303.6	26,100				195
200	47.4	294.0	27,900	50.6	299.5	24,900	53.6	303.0	21,900	200
205	45.7	289.2	26,700	49.0	295.2	23,700	52.0	299.1	20,800	205
210	43.9	284.0	25,500	47.3	290.6	22,600	50.5	295.0	19,800	210
215	42.1	278.5	24,400	45.6	285.8	21,500	48.8	290.7	18,800	215
220	40.3	272.7	23,300	43.9	280.6	20,500	47.2	286.1	17,800	220
225	38.3	266.4	22,200	42.1	275.1	19,600	45.5	281.2	16,900	225
230	36.3	259.7	21,200	40.2	269.2	18,600	43.8	276.0	16,100	230
235	34.2	252.4	20,300	38.3	263.0	17,700	41.9	270.5	15,200	235
240	31.9	244.5	19,400	36.3	256.2	16,900	40.1	264.6	14,500	240
245	29.5	235.9	18,500	34.1	249.0	16,100	38.1	258.3	13,700	245
250	26.8	226.2	17,700	31.8	241.0	15,300	36.1	251.5	12,900	250
255	23.9	215.4	16,800	29.4	232.4	14,500	33.9	244.2	12,100	255
260	20.6	202.7	16,000	26.8	222.7	13,800	31.6	236.2	11,300	260
265	16.7	187.3	15,300	23.9	211.8	13,100				265
270	11.5	166.3	14,500	20.6	199.1	12,400				270
275				16.6	183.7	11,700				275
280				11.3	162.5	11,000				280



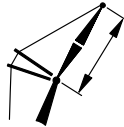
298,100 lb



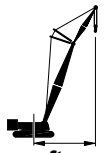
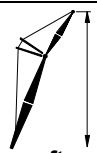
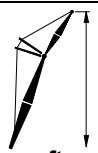
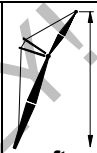
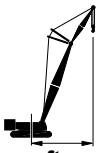
360°

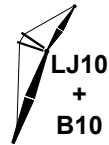


118.1 ft



255.9 ft

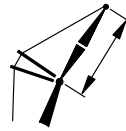
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
85	74.9	372.6	72,600							85
90	73.7	371.1	71,800							90
95	72.5	369.5	71,000							95
100	71.3	367.8	70,200							100
105	70.1	366.0	69,400	71.6	367.6	69,100				105
110	68.9	364.1	68,600	70.4	365.8	68,400				110
115	67.7	362.1	67,800	69.2	363.9	67,800				115
120	66.5	359.9	67,000	68.0	361.9	67,100				120
125	65.3	357.6	66,300	66.8	359.7	66,400	68.3	361.3	63,800	125
130	64.0	355.1	65,500	65.6	357.4	63,300	67.1	359.2	60,200	130
135	62.8	352.6	62,900	64.3	355.0	59,900	65.9	357.0	56,900	135
140	61.5	349.9	59,600	63.1	352.5	56,800	64.6	354.6	53,900	140
145	60.2	347.0	56,600	61.8	349.8	53,800	63.4	352.1	51,100	145
150	58.9	344.0	53,800	60.5	347.0	51,100	62.1	349.4	48,500	150
155	57.6	340.8	51,200	59.2	344.0	48,600	60.8	346.6	46,100	155
160	56.2	337.5	48,800	57.9	340.9	46,300	59.5	343.7	43,800	160
165	54.9	333.9	46,500	56.6	337.6	44,100	58.2	340.6	41,700	165
170	53.5	330.3	44,400	55.2	334.1	42,000	56.9	337.3	39,700	170
175	52.0	326.4	42,300	53.8	330.5	40,100	55.5	333.9	37,900	175
180	50.6	322.3	40,500	52.4	326.6	38,300	54.1	330.3	36,100	180
185	49.1	318.0	38,700	51.0	322.6	36,600	52.7	326.5	34,400	185
190	47.6	313.4	37,000	49.5	318.3	34,900	51.3	322.5	32,900	190
195	46.1	308.6	35,400	48.0	313.8	33,400	49.8	318.3	31,400	195
200	44.5	303.6	33,900	46.4	309.1	31,900	48.3	313.9	30,000	200
205	42.8	298.2	32,400	44.9	304.1	30,600	46.8	309.2	28,700	205
210	41.1	292.5	31,100	43.2	298.8	29,200	45.2	304.3	27,400	210
215	39.4	286.5	29,800	41.6	293.2	28,000	43.6	299.1	26,200	215
220	37.5	280.0	28,500	39.8	287.3	26,800	42.0	293.5	25,100	220
225	35.6	273.1	27,400	38.0	280.9	25,700	40.2	287.7	24,000	225
230	33.6	265.7	26,200	36.1	274.2	24,600	38.4	281.4	22,900	230
235	31.5	257.7	25,100	34.1	266.9	23,500	36.6	274.8	21,900	235
240	29.3	249.0	24,100	32.1	259.0	22,500	34.6	267.6	20,900	240
245	26.8	239.3	23,100	29.8	250.5	21,500	32.6	259.9	20,000	245
250	24.2	228.5	22,100	27.5	241.1	20,600	30.4	251.5	19,100	250
255	21.2	216.2	21,200	24.9	230.6	19,700	28.0	242.3	18,300	255
260	17.7	201.5	20,300	22.0	218.7	18,900	25.5	232.1	17,400	260
265	13.4	182.8	19,400	18.6	204.7	18,000	22.7	220.6	16,600	265
270	6.4	152.1	18,500	14.6	187.2	17,200	19.5	207.2	15,800	270
275				8.7	161.5	16,300	15.6	190.7	15,100	275
280							10.4	167.9	14,300	280
285										285



298,100 lb

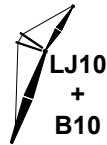


118.1 ft



255.9 ft

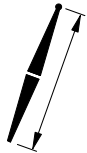
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155	63.4	349.7	41,900				155
160	62.1	347.1	39,700				160
165	60.9	344.3	37,800				165
170	59.6	341.4	35,900				170
175	58.3	338.3	34,200				175
180	56.9	335.0	32,500				180
185	55.6	331.6	31,000	58.2	334.9	27,600	185
190	54.2	328.0	29,500	56.9	331.6	26,200	190
195	52.8	324.2	28,100	55.5	328.2	24,900	195
200	51.3	320.2	26,800	54.2	324.6	23,700	200
205	49.9	316.0	25,600	52.7	320.8	22,500	205
210	48.4	311.6	24,400	51.3	316.8	21,400	210
215	46.9	306.9	23,200	49.9	312.6	20,300	215
220	45.3	302.0	22,200	48.4	308.2	19,300	220
225	43.7	296.8	21,100	46.8	303.5	18,400	225
230	42.0	291.3	20,200	45.3	298.6	17,500	230
235	40.3	285.4	19,200	43.6	293.4	16,600	235
240	38.5	279.2	18,300	42.0	287.9	15,700	240
245	36.6	272.5	17,500	40.2	282.0	14,900	245
250	34.7	265.4	16,600	38.5	275.8	14,200	250
255	32.6	257.7	15,800	36.6	269.1	13,400	255
260	30.4	249.4	15,000	34.6	261.9	12,700	260
265	28.1	240.2	14,300	32.6	254.2	11,900	265
270	25.6	230.0	13,600	30.4	245.9	11,100	270
275	22.8	218.6	12,900				275
280	19.6	205.2	12,200				280
285	15.7	188.9	11,500				285



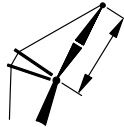
298,100 lb



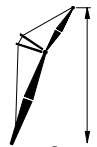
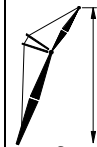
360°

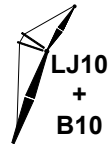


118.1 ft



275.6 ft

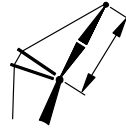
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.9	391.6	59,500							90
95	73.8	390.2	58,800							95
100	72.7	388.6	58,000							100
105	71.6	386.9	57,300							105
110	70.5	385.2	56,500	71.9	386.7	56,500				110
115	69.4	383.3	55,800	70.8	384.9	55,900				115
120	68.3	381.3	55,100	69.7	383.1	55,200				120
125	67.2	379.2	54,400	68.6	381.1	54,600				125
130	66.0	377.0	53,700	67.4	379.0	54,200	68.8	380.5	53,500	130
135	64.9	374.6	53,000	66.3	376.8	53,400	67.7	378.5	52,900	135
140	63.7	372.1	52,300	65.1	374.5	52,700	66.6	376.3	52,400	140
145	62.5	369.5	51,700	64.0	372.1	52,100	65.4	374.0	50,200	145
150	61.4	366.8	51,100	62.8	369.5	50,300	64.3	371.6	47,600	150
155	60.2	363.9	50,400	61.6	366.8	47,800	63.1	369.1	45,200	155
160	58.9	360.9	48,000	60.4	364.0	45,400	61.9	366.4	42,900	160
165	57.7	357.8	45,700	59.2	361.0	43,200	60.7	363.6	40,800	165
170	56.5	354.5	43,500	58.0	357.9	41,200	59.5	360.7	38,800	170
175	55.2	351.0	41,500	56.8	354.6	39,300	58.3	357.6	37,000	175
180	53.9	347.4	39,700	55.5	351.2	37,400	57.1	354.3	35,200	180
185	52.6	343.5	37,900	54.2	347.6	35,700	55.8	350.9	33,600	185
190	51.3	339.5	36,200	52.9	343.8	34,100	54.5	347.4	32,000	190
195	49.9	335.4	34,600	51.6	339.8	32,600	53.2	343.7	30,500	195
200	48.5	331.0	33,100	50.3	335.7	31,100	51.9	339.8	29,100	200
205	47.1	326.3	31,700	48.9	331.3	29,700	50.6	335.7	27,800	205
210	45.7	321.5	30,300	47.5	326.8	28,400	49.2	331.4	26,600	210
215	44.2	316.3	29,000	46.0	322.0	27,200	47.8	326.8	25,400	215
220	42.7	311.0	27,800	44.5	316.9	26,000	46.4	322.1	24,200	220
225	41.1	305.3	26,600	43.0	311.6	24,900	44.9	317.1	23,100	225
230	39.4	299.2	25,500	41.5	306.0	23,800	43.4	311.8	22,100	230
235	37.8	292.8	24,400	39.9	300.0	22,700	41.8	306.3	21,100	235
240	36.0	286.0	23,400	38.2	293.7	21,700	40.2	300.4	20,100	240
245	34.2	278.7	22,400	36.4	287.0	20,800	38.6	294.2	19,200	245
250	32.2	270.9	21,400	34.6	279.9	19,900	36.9	287.6	18,300	250
255	30.2	262.5	20,500	32.7	272.2	19,000	35.1	280.6	17,500	255
260	28.0	253.3	19,600	30.7	263.9	18,100	33.2	273.0	16,700	260
265	25.7	243.1	18,800	28.6	254.9	17,300	31.2	264.9	15,900	265
270	23.1	231.8	17,900	26.3	245.0	16,500	29.1	256.1	15,100	270
275	20.2	218.8	17,100	23.7	234.0	15,800	26.8	246.4	14,400	275
280	16.8	203.4	16,400	20.9	221.5	15,000	24.4	235.7	13,700	280
285	12.6	183.4	15,600	17.7	206.7	14,300	21.6	223.6	13,000	285
290	5.4	149.6	14,800	13.7	188.2	13,600	18.5	209.4	12,300	290
295				7.8	160.4	12,800	14.8	192.0	11,600	295
300							9.6	167.6	11,000	300



298,100 lb

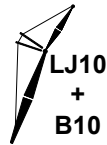


118.1 ft



275.6 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165	63.1	366.7	36,800				165
170	62.0	364.1	35,000				170
175	60.8	361.3	33,200				175
180	59.6	358.3	31,600				180
185	58.3	355.2	30,000				185
190	57.1	352.0	28,600				190
195	55.8	348.6	27,200	58.3	351.9	23,900	195
200	54.6	345.1	25,900	57.1	348.6	22,700	200
205	53.3	341.3	24,700	55.8	345.2	21,500	205
210	52.0	337.4	23,500	54.5	341.7	20,400	210
215	50.6	333.3	22,400	53.2	338.0	19,400	215
220	49.2	329.1	21,300	51.9	334.1	18,400	220
225	47.8	324.5	20,300	50.6	330.0	17,500	225
230	46.4	319.8	19,300	49.2	325.7	16,500	230
235	44.9	314.8	18,400	47.8	321.1	15,700	235
240	43.4	309.6	17,500	46.4	316.4	14,800	240
245	41.9	304.0	16,600	44.9	311.4	13,900	245
250	40.3	298.2	15,800	43.4	306.2	13,100	250
255	38.6	292.0	15,000	41.9	300.6	12,200	255
260	36.9	285.4	14,200	40.3	294.7	11,400	260
265	35.1	278.3	13,500				265
270	33.2	270.8	12,800				270
275	31.3	262.7	12,100				275
280	29.2	253.9	11,300				280
285							285
290							290
295							295
300							300



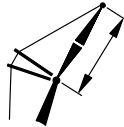
298,100 lb



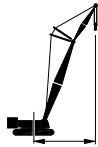
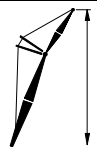
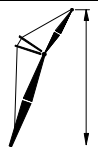
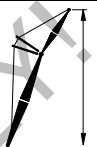
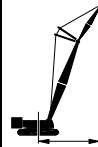
360°

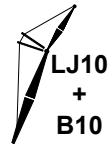


118.1 ft

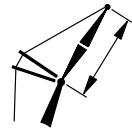


295.3 ft

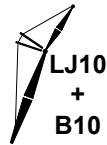
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.9	410.7	49,700							95
100	73.9	409.2	49,000							100
105	72.9	407.7	48,300							105
110	71.9	406.0	47,600							110
115	70.8	404.3	47,200							115
120	69.8	402.5	46,200	71.1	404.0	46,400				120
125	68.8	400.5	45,500	70.1	402.2	45,800				125
130	67.7	398.5	45,000	69.0	400.3	45,200				130
135	66.7	396.3	44,300	68.0	398.3	44,600				135
140	65.6	394.0	43,700	66.9	396.1	44,000	68.2	397.7	43,800	140
145	64.5	391.6	43,100	65.9	393.9	43,400	67.2	395.6	43,300	145
150	63.4	389.1	42,500	64.8	391.5	42,800	66.1	393.4	42,800	150
155	62.3	386.5	41,900	63.7	389.1	42,300	65.0	391.1	42,300	155
160	61.2	383.8	41,400	62.6	386.5	41,800	64.0	388.6	41,800	160
165	60.1	380.9	40,800	61.5	383.7	41,200	62.9	386.1	39,700	165
170	59.0	377.9	40,300	60.4	380.9	40,100	61.8	383.4	37,700	170
175	57.8	374.8	39,800	59.3	377.9	38,200	60.6	380.6	35,900	175
180	56.7	371.5	38,600	58.1	374.8	36,400	59.5	377.6	34,100	180
185	55.5	368.0	36,900	57.0	371.6	34,700	58.4	374.5	32,500	185
190	54.3	364.4	35,200	55.8	368.2	33,000	57.2	371.3	30,900	190
195	53.1	360.7	33,600	54.6	364.6	31,500	56.1	368.0	29,400	195
200	51.9	356.8	32,100	53.4	360.9	30,100	54.9	364.5	28,100	200
205	50.6	352.7	30,700	52.2	357.0	28,700	53.7	360.8	26,700	205
210	49.3	348.4	29,300	50.9	353.0	27,400	52.4	356.9	25,500	210
215	48.0	343.9	28,000	49.6	348.8	26,100	51.2	352.9	24,300	215
220	46.7	339.2	26,800	48.3	344.3	25,000	49.9	348.7	23,100	220
225	45.3	334.3	25,600	47.0	339.7	23,800	48.6	344.4	22,000	225
230	43.9	329.1	24,500	45.7	334.8	22,700	47.3	339.8	21,000	230
235	42.5	323.7	23,400	44.3	329.7	21,700	46.0	335.0	20,000	235
240	41.0	318.0	22,400	42.9	324.4	20,700	44.6	329.9	19,100	240
245	39.5	312.0	21,400	41.4	318.7	19,800	43.2	324.6	18,200	245
250	37.9	305.6	20,500	39.9	312.8	18,900	41.7	319.0	17,300	250
255	36.3	298.9	19,500	38.3	306.5	18,000	40.2	313.2	16,400	255
260	34.6	291.7	18,700	36.7	299.9	17,100	38.7	307.0	15,600	260
265	32.8	284.1	17,800	35.0	292.8	16,300	37.1	300.4	14,900	265
270	31.0	275.9	17,000	33.3	285.3	15,600	35.4	293.5	14,100	270
275	29.0	267.0	16,200	31.4	277.2	14,800	33.7	286.1	13,400	275
280	26.9	257.4	15,500	29.5	268.5	14,100	31.9	278.1	12,700	280
285	24.6	246.7	14,700	27.4	259.1	13,400	30.0	269.6	12,000	285
290	22.1	234.9	14,000	25.2	248.7	12,700	27.9	260.4	11,300	290
295	19.3	221.2	13,300	22.8	237.2	12,000				295
300	16.0	205.0	12,600	20.0	224.1	11,400				300
305	11.8	183.9	12,000							305
310	4.4	146.2	11,200							310



298,100 lb



	75°		
	ft	ft	lb
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170	64.0	386.3	33,800
175	62.9	383.7	32,000
180	61.8	381.0	30,400
185	60.7	378.2	28,900
190	59.6	375.3	27,400
195	58.4	372.2	26,000
200	57.3	369.0	24,700
205	56.1	365.6	23,500
210	54.9	362.1	22,300
215	53.7	358.5	21,200
220	52.5	354.6	20,100
225	51.2	350.6	19,100
230	50.0	346.4	18,100
235	48.7	342.1	17,200
240	47.4	337.5	16,300
245	46.0	332.7	15,500
250	44.6	327.6	14,700
255	43.2	322.3	13,800
260	41.8	316.8	13,000
265	40.3	310.9	12,100
270	38.7	304.7	11,300
275			
280			
285			
290			
295			
300			
305			
310			



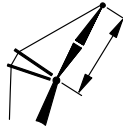
298,100 lb



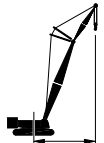
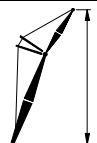
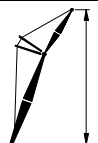
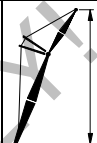
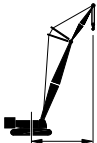
360°

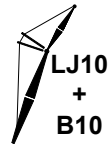


118.1 ft

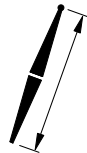


315.0 ft

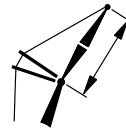
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
100	74.9	429.7	41,400							100
105	74.0	428.3	40,700							105
110	73.0	426.7	40,000							110
115	72.1	425.1	39,400							115
120	71.1	423.4	38,700							120
125	70.2	421.6	38,600	71.4	423.1	38,400				125
130	69.2	419.7	37,500	70.4	421.3	37,800				130
135	68.2	417.7	36,800	69.4	419.5	37,200				135
140	67.2	415.6	36,300	68.4	417.5	36,600				140
145	66.2	413.4	35,700	67.5	415.4	36,100	68.7	416.9	36,100	145
150	65.2	411.1	35,100	66.5	413.2	35,500	67.7	414.9	35,600	150
155	64.2	408.7	34,600	65.5	410.9	35,000	66.7	412.7	35,100	155
160	63.2	406.1	34,100	64.5	408.6	34,500	65.7	410.5	34,600	160
165	62.2	403.5	33,500	63.4	406.1	34,000	64.7	408.1	34,100	165
170	61.1	400.7	33,100	62.4	403.4	33,500	63.7	405.6	33,600	170
175	60.1	397.9	32,600	61.4	400.7	33,000	62.7	403.0	33,100	175
180	59.0	394.9	32,100	60.3	397.9	32,500	61.6	400.3	32,700	180
185	57.9	391.7	31,700	59.3	394.9	32,000	60.6	397.5	31,500	185
190	56.8	388.5	31,200	58.2	391.8	31,600	59.5	394.6	29,900	190
195	55.7	385.1	30,800	57.1	388.6	30,600	58.5	391.5	28,500	195
200	54.6	381.5	30,400	56.0	385.2	29,100	57.4	388.3	27,100	200
205	53.5	377.8	29,700	54.9	381.7	27,700	56.3	385.0	25,800	205
210	52.4	374.0	28,400	53.8	378.0	26,400	55.2	381.5	24,500	210
215	51.2	370.0	27,100	52.6	374.2	25,200	54.0	377.9	23,300	215
220	50.0	365.8	25,900	51.5	370.3	24,000	52.9	374.1	22,200	220
225	48.8	361.4	24,700	50.3	366.1	22,900	51.8	370.2	21,100	225
230	47.6	356.9	23,600	49.1	361.8	21,800	50.6	366.1	20,100	230
235	46.3	352.1	22,500	47.9	357.3	20,800	49.4	361.8	19,100	235
240	45.0	347.1	21,500	46.6	352.6	19,800	48.2	357.3	18,100	240
245	43.7	341.9	20,500	45.3	347.7	18,900	46.9	352.7	17,200	245
250	42.4	336.5	19,600	44.0	342.5	17,900	45.6	347.8	16,300	250
255	41.0	330.7	18,700	42.7	337.1	17,100	44.3	342.7	15,500	255
260	39.6	324.7	17,800	41.3	331.5	16,200	43.0	337.4	14,700	260
265	38.1	318.4	16,900	39.9	325.5	15,400	41.7	331.8	13,900	265
270	36.6	311.7	16,100	38.5	319.3	14,700	40.3	325.9	13,100	270
275	35.0	304.7	15,400	37.0	312.7	13,900	38.8	319.8	12,300	275
280	33.4	297.2	14,600	35.4	305.7	13,200	37.3	313.2	11,500	280
285	31.6	289.1	13,900	33.8	298.3	12,500				285
290	29.8	280.6	13,200	32.1	290.5	11,800				290
295	27.9	271.3	12,500	30.3	282.0	11,000				295
300	25.9	261.2	11,900							300
305	23.7	250.1	11,200							305



298,100 lb

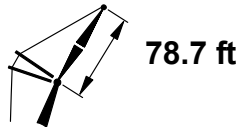
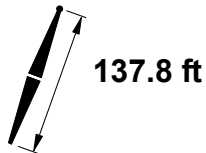
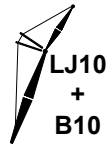


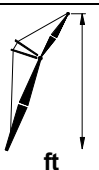
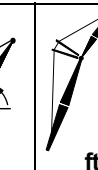
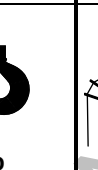
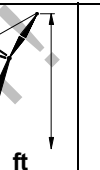
118.1 ft

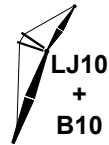


315.0 ft

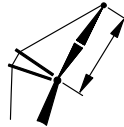
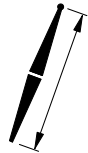
	75°		
	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180	63.7	403.3	29,400
185	62.7	400.7	27,800
190	61.6	398.0	26,400
195	60.6	395.2	25,000
200	59.6	392.2	23,700
205	58.5	389.2	22,500
210	57.4	386.0	21,300
215	56.3	382.6	20,200
220	55.2	379.2	19,100
225	54.1	375.6	18,100
230	52.9	371.8	17,200
235	51.8	367.9	16,200
240	50.6	363.8	15,200
245	49.4	359.5	14,200
250	48.2	355.0	13,300
255	47.0	350.4	12,400
260	45.7	345.5	11,600
265			
270			
275			
280			
285			
290			
295			
300			
305			



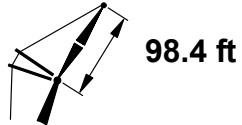
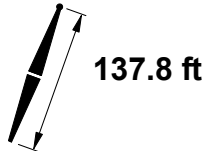
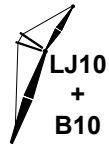
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
40	74.9	221.2	311,000 d							40
45	71.0	219.5	264,500 c							45
50	67.1	217.4	230,100 b							50
55	63.0	214.8	203,600 b	68.9	217.6	202,300 c				55
60	58.8	211.8	182,500	64.9	215.2	181,400 b				60
65	54.3	208.2	165,400	60.7	212.4	164,400	66.7	215.1	163,400 b	65
70	49.5	204.0	151,200	56.3	209.1	150,300	62.6	212.5	149,400 b	70
75	44.4	199.0	139,300	51.7	205.2	138,400	58.3	209.5	137,500	75
80	38.7	192.9	129,100	46.8	200.6	128,300	53.8	205.8	126,500	80
85	32.0	185.3	120,200	41.3	195.0	119,500	49.0	201.5	116,900	85
90	23.7	175.0	112,500	35.2	188.2	111,800	43.8	196.4	108,600	90
95	8.8	155.2	105,700	27.8	179.3	105,100	38.0	190.2	101,200	95
100				17.4	165.9	98,100	31.2	182.4	94,500	100
105							22.6	171.6	88,500	105
110										110
115										115
120										120
125										125
130										130
135										135
140										140

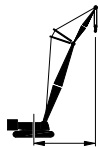
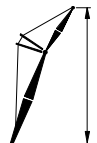
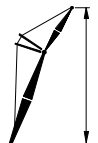
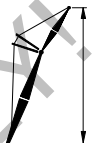
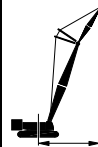


298,100 lb



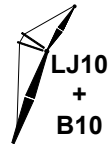
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	59.9	207.8	109,000							85
90	55.5	204.4	101,200							90
95	50.8	200.4	94,300							95
100	45.7	195.6	88,200	56.8	201.7	81,800				100
105	40.2	189.8	82,700	52.3	197.9	76,700				105
110	33.8	182.7	77,700	47.3	193.3	72,100				110
115	26.1	173.2	73,100	42.0	187.9	67,900	53.3	194.0	62,600	115
120	14.4	158.0	68,800	35.9	181.2	64,000	48.5	189.6	59,100	120
125				28.7	172.6	60,500	43.3	184.4	55,800	125
130				18.8	160.1	57,100	37.4	178.1	52,800	130
135							30.5	170.1	50,000	135
140							21.5	158.8	47,300	140



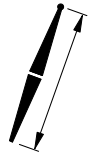
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
45	75.0	240.3	262,900 c							45
50	71.9	238.6	231,200 b							50
55	68.8	236.7	204,500 b							55
60	65.6	234.4	183,400	70.2	236.8	182,300 b				60
65	62.3	231.8	166,200	67.0	234.7	165,200				65
70	58.9	228.8	151,900	63.8	232.2	151,000	68.4	234.5	149,300 b	70
75	55.4	225.3	139,900	60.5	229.4	139,100	65.2	232.2	136,500	75
80	51.7	221.4	129,700	57.0	226.1	128,900	61.9	229.5	125,600	80
85	47.8	216.9	120,800	53.4	222.4	120,000	58.5	226.4	116,100	85
90	43.6	211.8	113,000	49.6	218.2	112,400	55.0	222.9	107,800	90
95	39.0	205.7	106,200	45.5	213.4	104,800	51.3	219.0	100,500	95
100	33.9	198.5	100,200	41.1	207.8	98,100	47.3	214.4	94,000	100
105	28.0	189.6	94,800	36.3	201.1	92,000	43.1	209.2	88,200	105
110	20.4	177.6	89,900	30.8	193.1	86,500	38.5	203.0	82,900	110
115	5.5	152.5	84,400	24.1	182.8	81,500	33.3	195.7	78,100	115
120				14.5	167.1	76,800	27.2	186.5	73,800	120
125							19.4	173.9	69,700	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-1

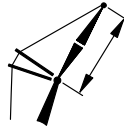
ASME B30.5



298,100 lb

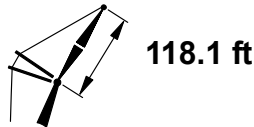
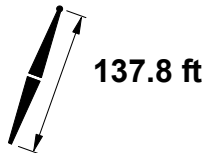
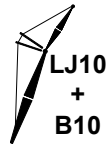


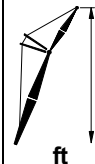
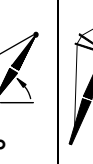
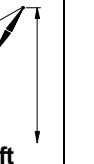
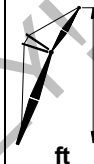
137.8 ft



98.4 ft

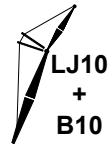
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	63.2	227.7	100,100							90
95	59.8	224.8	93,300							95
100	56.3	221.5	87,200							100
105	52.6	217.7	81,800							105
110	48.8	213.3	76,900	57.4	218.7	71,000				110
115	44.7	208.4	72,500	53.8	215.1	66,800				115
120	40.2	202.6	68,400	50.0	210.9	63,100				120
125	35.3	195.7	64,700	46.0	206.1	59,700				125
130	29.6	187.3	61,300	41.6	200.6	56,500	50.9	207.1	51,700	130
135	22.6	176.3	58,100	36.9	194.1	53,600	46.9	202.5	49,000	135
140	11.6	158.2	55,000	31.5	186.3	50,800	42.7	197.2	46,500	140
145				24.9	176.3	48,300	38.0	190.9	44,200	145
150				15.9	161.6	45,800	32.8	183.4	42,000	150
155							26.6	174.1	39,900	155
160							18.4	160.9	37,900	160



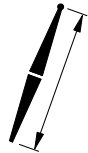
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
55	72.5	257.7	205,200	65.8	251.7	139,500				55
60	69.9	255.9	184,000	68.5	254.0	151,500				60
65	67.3	253.8	166,700	71.1	256.0	165,700				65
70	64.6	251.4	152,400	63.1	249.2	129,300				70
75	61.8	248.7	140,400	60.3	246.3	120,400				75
80	59.0	245.7	130,100	57.4	243.1	111,900	67.0	251.6	124,800	80
85	56.1	242.4	121,200	54.4	239.6	104,300	64.3	249.2	115,400	85
90	53.1	238.7	113,400	51.3	235.6	97,600	61.5	246.4	107,100	90
95	49.9	234.5	106,600	48.1	231.2	91,600	58.7	243.4	99,900	95
100	46.6	229.8	100,500	44.7	226.2	86,200	55.8	240.0	93,400	100
105	43.0	224.5	95,100	41.0	220.5	81,300	52.7	236.2	87,600	105
110	39.3	218.5	90,000	37.0	214.0	76,800	49.5	232.0	82,400	110
115	35.1	211.6	84,800	32.6	206.5	72,700	46.2	227.2	77,700	115
120	30.5	203.4	80,200	27.6	197.3	68,900	42.6	221.9	73,400	120
125	25.0	193.3	75,900	21.4	185.6	65,400	38.8	215.8	69,500	125
130	17.9	179.6	71,900	12.3	167.6	62,100	34.6	208.7	65,900	130
135							29.9	200.4	62,600	135
140							24.3	190.0	59,400	140
145							17.0	175.7	56,500	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-1

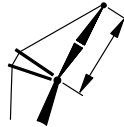
ASME B30.5



298,100 lb

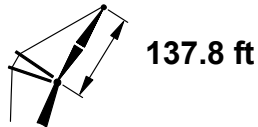
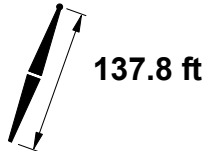
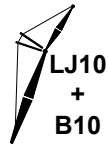


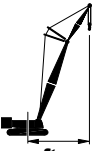
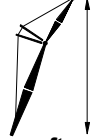
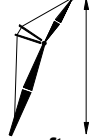
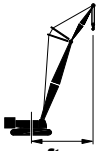
137.8 ft



118.1 ft

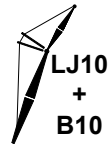
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.5	244.7	86,400							100
105	59.7	241.7	81,000							105
110	56.8	238.5	76,200							110
115	53.8	234.9	71,800							115
120	50.7	230.8	67,800	57.7	235.7	62,200				120
125	47.4	226.2	64,200	54.8	232.2	58,900				125
130	44.0	221.1	60,800	51.7	228.3	55,800				130
135	40.2	215.3	57,700	48.5	223.9	52,900				135
140	36.2	208.6	54,800	45.1	218.9	50,200	52.4	224.4	45,700	140
145	31.7	200.8	52,200	41.4	213.4	47,800	49.2	220.1	43,400	145
150	26.5	191.3	49,700	37.5	207.0	45,500	45.9	215.3	41,300	150
155	20.0	178.8	47,300	33.1	199.5	43,300	42.3	209.9	39,300	155
160	9.4	157.7	44,900	28.2	190.6	41,300	38.4	203.7	37,500	160
165				22.2	179.3	39,300	34.2	196.6	35,700	165
170				13.7	162.5	37,400	29.4	188.1	34,000	170
175							23.7	177.4	32,400	175
180							16.1	162.5	30,900	180



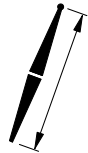
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	72.9	276.8	184,800							60
65	70.7	275.1	167,500							65
70	68.5	273.1	153,100	71.7	275.1	152,100				70
75	66.2	270.9	141,000	69.5	273.2	140,100				75
80	63.9	268.4	130,600	67.2	271.1	129,300				80
85	61.5	265.7	121,700	64.9	268.7	119,500	68.2	270.9	114,200	85
90	59.1	262.7	113,900	62.6	266.1	110,900	65.9	268.6	106,000	90
95	56.6	259.4	107,000	60.2	263.3	103,400	63.6	266.1	98,800	95
100	54.0	255.8	100,900	57.7	260.1	96,700	61.2	263.4	92,300	100
105	51.4	251.8	94,800	55.2	256.7	90,700	58.8	260.4	86,600	105
110	48.6	247.4	89,200	52.6	252.9	85,300	56.3	257.0	81,400	110
115	45.7	242.6	84,200	49.9	248.7	80,400	53.7	253.4	76,700	115
120	42.7	237.3	79,500	47.0	244.0	76,000	51.1	249.4	72,500	120
125	39.4	231.3	75,300	44.1	238.9	72,000	48.3	244.9	68,600	125
130	35.9	224.5	71,400	40.9	233.2	68,200	45.4	240.1	65,000	130
135	32.1	216.8	67,900	37.5	226.9	64,800	42.3	234.6	61,700	135
140	27.8	207.6	64,500	33.9	219.6	61,600	39.0	228.6	58,700	140
145	22.7	196.4	61,400	29.8	211.1	58,700	35.5	221.7	55,900	145
150	16.0	181.2	58,500	25.1	201.0	55,900	31.6	213.8	53,200	150
155				19.3	188.0	53,300	27.2	204.5	50,800	155
160				10.5	167.5	50,800	22.0	193.0	48,400	160
165							15.1	177.0	46,200	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-1

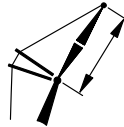
ASME B30.5



298,100 lb

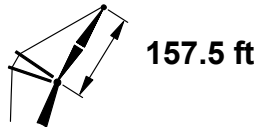
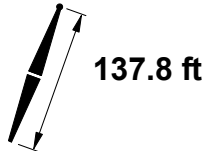
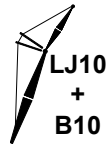


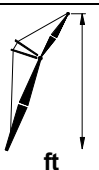
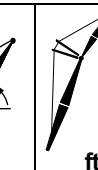
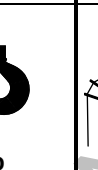
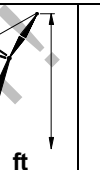
137.8 ft

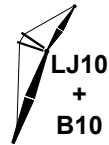


137.8 ft

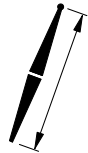
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.1	261.6	75,000							110
115	59.7	258.7	70,600							115
120	57.2	255.5	66,600							120
125	54.7	252.0	63,000							125
130	52.0	248.1	59,700	58.0	252.7	54,500				130
135	49.3	243.8	56,700	55.5	249.3	51,600				135
140	46.5	239.1	53,800	52.9	245.5	49,000				140
145	43.5	233.9	51,200	50.2	241.3	46,600				145
150	40.3	228.1	48,800	47.4	236.8	44,300	53.5	241.6	40,000	150
155	36.8	221.5	46,500	44.4	231.7	42,200	50.8	237.5	38,100	155
160	33.1	214.0	44,400	41.3	226.1	40,300	48.0	233.1	36,200	160
165	28.9	205.3	42,300	37.9	219.8	38,400	45.1	228.1	34,500	165
170	24.1	194.8	40,400	34.3	212.6	36,700	42.0	222.6	32,900	170
175	17.9	180.9	38,600	30.3	204.3	35,000	38.7	216.5	31,400	175
180	7.5	156.4	36,700	25.7	194.4	33,400	35.2	209.6	30,000	180
185				20.0	181.8	31,900	31.2	201.6	28,600	185
190				11.8	162.9	30,400	26.8	192.1	27,300	190
195							21.5	180.3	26,000	195
200							14.2	163.6	24,800	200



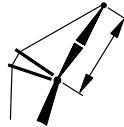
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
65	73.2	295.9	157,500							65
70	71.3	294.2	151,100							70
75	69.3	292.3	141,600							75
80	67.4	290.2	131,200	70.2	292.4	128,100				80
85	65.4	287.9	122,200	68.2	290.4	118,300				85
90	63.3	285.4	114,400	66.3	288.2	109,700				90
95	61.2	282.7	107,000	64.2	285.7	102,200	67.1	288.0	97,500	95
100	59.1	279.7	100,000	62.2	283.1	95,500	65.1	285.7	91,000	100
105	57.0	276.4	93,800	60.1	280.2	89,500	63.1	283.1	85,300	105
110	54.7	272.9	88,200	57.9	277.1	84,200	61.0	280.3	80,200	110
115	52.4	269.1	83,100	55.7	273.7	79,300	58.9	277.3	75,500	115
120	50.1	264.9	78,500	53.5	270.0	74,900	56.7	274.1	71,300	120
125	47.6	260.4	74,300	51.1	266.0	70,800	54.5	270.5	67,400	125
130	45.1	255.4	70,500	48.7	261.7	67,100	52.2	266.6	63,800	130
135	42.4	250.0	66,900	46.2	256.9	63,700	49.8	262.4	60,600	135
140	39.5	244.0	63,600	43.6	251.7	60,600	47.3	257.9	57,600	140
145	36.5	237.4	60,600	40.8	246.0	57,700	44.8	252.9	54,800	145
150	33.3	229.9	57,700	37.9	239.7	55,000	42.1	247.4	52,200	150
155	29.7	221.4	55,100	34.8	232.6	52,400	39.2	241.3	49,700	155
160	25.6	211.4	52,600	31.3	224.6	50,000	36.2	234.6	47,500	160
165	20.8	199.2	50,200	27.5	215.3	47,800	32.9	227.1	45,300	165
170	14.4	182.3	48,000	23.1	204.3	45,700	29.2	218.4	43,300	170
175				17.6	190.0	43,700	25.1	208.2	41,400	175
180				9.0	166.9	41,700	20.2	195.6	39,600	180
185							13.5	177.9	37,800	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220



298,100 lb

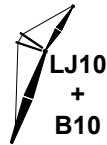


137.8 ft



157.5 ft

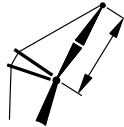
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	ft	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.8	281.3		69,200						115
120	61.8	278.6		65,300						120
125	59.7	275.7		61,700						125
130	57.5	272.5		58,400						130
135	55.3	269.0		55,300						135
140	53.0	265.3		52,500	58.2	269.7	47,600			140
145	50.7	261.2		49,900	56.0	266.3	45,200			145
150	48.3	256.8		47,500	53.7	262.6	42,900			150
155	45.7	251.9		45,300	51.4	258.7	40,900			155
160	43.1	246.6		43,200	49.0	254.3	38,900			160
165	40.3	240.8		41,200	46.5	249.6	37,100	52.0	254.8	33,100
170	37.3	234.4		39,300	43.9	244.5	35,400	49.6	250.6	31,500
175	34.1	227.1		37,600	41.2	238.8	33,800	47.1	246.0	30,000
180	30.6	218.9		35,900	38.2	232.6	32,200	44.5	240.9	28,600
185	26.7	209.4		34,300	35.1	225.6	30,800	41.8	235.4	27,300
190	22.1	197.8		32,800	31.7	217.7	29,400	38.9	229.3	26,000
195	16.3	182.5		31,300	27.9	208.6	28,100	35.9	222.5	24,800
200	5.7	154.1		29,800	23.6	197.8	26,800	32.5	214.8	23,700
205					18.3	184.0	25,600	28.9	206.1	22,600
210					10.3	162.8	24,300	24.7	195.7	21,500
215								19.6	182.8	20,500
220								12.6	164.2	19,400



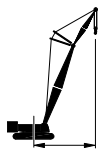
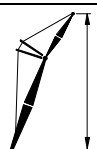
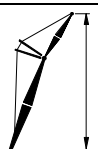
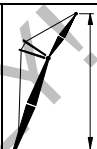
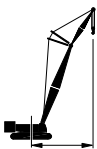
298,100 lb



137.8 ft

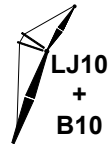


177.2 ft

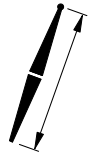
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	73.4	315.0	141,100							70
75	71.7	313.3	136,400							75
80	70.0	311.5	131,100							80
85	68.3	309.5	122,700	70.8	311.5	117,200				85
90	66.5	307.3	113,800	69.0	309.6	108,600				90
95	64.7	304.9	106,000	67.3	307.5	101,100				95
100	62.9	302.4	99,000	65.5	305.2	94,400	68.1	307.3	89,900	100
105	61.0	299.6	92,800	63.7	302.7	88,500	66.3	305.1	84,100	105
110	59.2	296.6	87,200	61.9	300.1	83,100	64.5	302.7	79,000	110
115	57.2	293.4	82,200	60.0	297.2	78,300	62.7	300.1	74,300	115
120	55.3	290.0	77,600	58.1	294.1	73,800	60.8	297.3	70,100	120
125	53.3	286.2	73,400	56.2	290.7	69,800	59.0	294.3	66,300	125
130	51.2	282.2	69,600	54.2	287.1	66,100	57.0	291.1	62,700	130
135	49.1	277.9	66,000	52.1	283.3	62,700	55.1	287.6	59,500	135
140	46.8	273.3	62,800	50.0	279.1	59,600	53.0	283.8	56,500	140
145	44.5	268.2	59,700	47.8	274.6	56,700	51.0	279.8	53,700	145
150	42.2	262.8	56,900	45.6	269.7	54,000	48.8	275.4	51,100	150
155	39.6	256.8	54,300	43.2	264.5	51,500	46.6	270.7	48,700	155
160	37.0	250.2	51,800	40.8	258.7	49,200	44.3	265.6	46,500	160
165	34.1	243.0	49,500	38.2	252.5	46,900	41.9	260.1	44,400	165
170	31.0	234.9	47,400	35.4	245.6	44,900	39.3	254.1	42,400	170
175	27.7	225.7	45,300	32.5	237.9	42,900	36.7	247.5	40,500	175
180	23.8	214.8	43,400	29.2	229.2	41,100	33.8	240.2	38,700	180
185	19.2	201.5	41,500	25.6	219.1	39,300	30.7	232.0	37,100	185
190	13.0	183.1	39,800	21.4	207.1	37,700	27.2	222.6	35,500	190
195				16.1	191.6	36,000	23.3	211.5	34,000	195
200				7.6	165.6	34,400	18.6	197.8	32,500	200
205							12.1	178.4	31,100	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240

MLC300 S-1

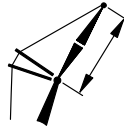
ASME B30.5



298,100 lb

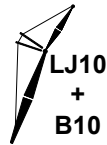


137.8 ft



177.2 ft

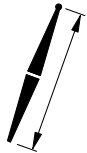
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.4	298.3	60,400							125
130	61.5	295.5	57,100							130
135	59.6	292.6	54,100							135
140	57.7	289.5	51,300							140
145	55.8	286.1	48,700							145
150	53.8	282.4	46,300	58.3	286.6	41,600				150
155	51.7	278.5	44,100	56.4	283.3	39,600				155
160	49.6	274.3	42,000	54.4	279.7	37,600				160
165	47.4	269.7	40,100	52.4	275.9	35,800				165
170	45.1	264.7	38,200	50.3	271.8	34,100				170
175	42.8	259.4	36,500	48.1	267.3	32,600	52.8	272.0	28,700	175
180	40.3	253.6	34,900	45.8	262.5	31,000	50.8	267.9	27,300	180
185	37.7	247.2	33,300	43.5	257.3	29,600	48.6	263.6	26,000	185
190	34.9	240.1	31,900	41.1	251.6	28,300	46.4	258.8	24,800	190
195	31.9	232.3	30,500	38.5	245.4	27,000	44.1	253.7	23,600	195
200	28.6	223.3	29,100	35.7	238.5	25,800	41.6	248.1	22,500	200
205	24.8	213.0	27,900	32.8	231.0	24,600	39.1	242.1	21,400	205
210	20.5	200.4	26,600	29.6	222.4	23,500	36.4	235.4	20,400	210
215	14.8	183.8	25,400	26.0	212.5	22,400	33.5	228.0	19,400	215
220	3.7	149.8	24,200	21.9	200.8	21,400	30.4	219.7	18,500	220
225				16.8	185.8	20,400	26.9	210.1	17,600	225
230				9.0	162.2	19,400	22.9	198.9	16,700	230
235							18.1	184.9	15,900	235
240							11.3	164.5	15,000	240



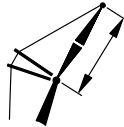
298,100 lb



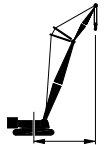
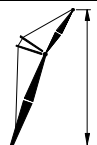
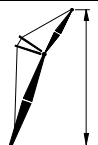
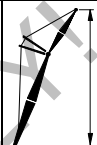
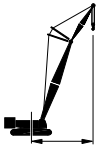
360°



137.8 ft

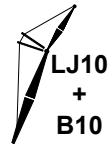


196.9 ft

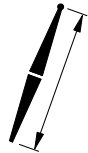
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	73.6	334.0	119,200							75
80	72.1	332.4	118,600							80
85	70.5	330.6	117,900							85
90	69.0	328.7	113,100	71.2	330.6	107,800				90
95	67.4	326.6	105,300	69.7	328.8	100,300				95
100	65.8	324.4	98,300	68.1	326.8	93,600				100
105	64.2	321.9	92,100	66.5	324.6	87,700	68.8	326.5	83,300	105
110	62.6	319.3	86,500	64.9	322.2	82,300	67.2	324.4	78,100	110
115	60.9	316.6	81,500	63.3	319.7	77,500	65.6	322.1	73,500	115
120	59.2	313.6	76,900	61.6	317.0	73,100	64.0	319.7	69,300	120
125	57.5	310.4	72,700	60.0	314.1	69,100	62.4	317.1	65,400	125
130	55.7	307.0	68,900	58.3	311.1	65,400	60.7	314.3	61,900	130
135	53.9	303.4	65,400	56.5	307.7	62,000	59.0	311.3	58,700	135
140	52.1	299.5	62,100	54.7	304.2	58,900	57.3	308.0	55,700	140
145	50.2	295.3	59,100	52.9	300.5	56,000	55.5	304.6	52,900	145
150	48.2	290.9	56,300	51.0	296.4	53,300	53.7	301.0	50,400	150
155	46.2	286.1	53,700	49.1	292.1	50,800	51.9	297.0	48,000	155
160	44.1	281.0	51,200	47.1	287.5	48,500	50.0	292.9	45,700	160
165	42.0	275.5	49,000	45.1	282.5	46,300	48.0	288.4	43,600	165
170	39.7	269.5	46,800	43.0	277.2	44,200	46.0	283.6	41,700	170
175	37.3	263.1	44,800	40.7	271.5	42,300	43.9	278.4	39,800	175
180	34.8	256.0	42,900	38.4	265.2	40,500	41.7	272.9	38,100	180
185	32.1	248.2	41,100	36.0	258.5	38,800	39.5	266.9	36,400	185
190	29.2	239.5	39,400	33.3	251.0	37,100	37.1	260.3	34,900	190
195	25.9	229.5	37,800	30.5	242.7	35,600	34.5	253.2	33,400	195
200	22.3	217.9	36,200	27.4	233.4	34,100	31.8	245.3	32,000	200
205	17.8	203.6	34,700	24.0	222.6	32,700	28.8	236.4	30,600	205
210	11.8	183.6	33,300	20.0	209.7	31,300	25.6	226.4	29,400	210
215				14.9	192.9	30,000	21.8	214.5	28,100	215
220				6.2	163.7	28,700	17.3	199.8	26,900	220
225							11.0	178.6	25,700	225
230										230
235										235
240										240
245										245
250										250
255										255
260										260

MLC300 S-1

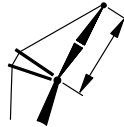
ASME B30.5



298,100 lb

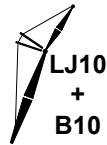


137.8 ft



196.9 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.0	315.2	53,200							135
140	61.3	312.5	50,400							140
145	59.6	309.6	47,900							145
150	57.9	306.4	45,500							150
155	56.2	303.1	43,200							155
160	54.4	299.5	41,200	58.4	303.6	36,700				160
165	52.5	295.7	39,200	56.7	300.3	34,900				165
170	50.7	291.6	37,400	54.9	296.8	33,200				170
175	48.7	287.2	35,700	53.1	293.1	31,700				175
180	46.7	282.6	34,100	51.2	289.1	30,200				180
185	44.7	277.6	32,600	49.3	284.8	28,800	53.5	289.1	25,100	185
190	42.5	272.1	31,100	47.4	280.2	27,400	51.7	285.2	23,800	190
195	40.3	266.3	29,700	45.3	275.3	26,200	49.8	281.0	22,700	195
200	37.9	260.0	28,500	43.2	270.0	25,000	47.8	276.5	21,600	200
205	35.5	253.1	27,200	41.0	264.3	23,800	45.8	271.7	20,500	205
210	32.8	245.5	26,000	38.7	258.2	22,700	43.7	266.5	19,500	210
215	30.0	237.0	24,900	36.2	251.4	21,700	41.5	260.9	18,600	215
220	26.8	227.4	23,800	33.6	244.1	20,700	39.2	254.8	17,700	220
225	23.3	216.3	22,800	30.9	235.9	19,800	36.8	248.2	16,800	225
230	19.1	202.8	21,800	27.8	226.7	18,900	34.3	241.0	16,000	230
235	13.6	184.8	20,800	24.4	216.1	18,000	31.5	233.0	15,200	235
240				20.4	203.4	17,100	28.5	224.1	14,400	240
245				15.5	187.2	16,300	25.2	213.9	13,600	245
250				7.7	161.0	15,400	21.4	201.8	12,900	250
255							16.8	186.7	12,100	255
260							10.1	164.3	11,300	260



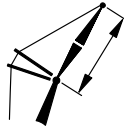
298,100 lb



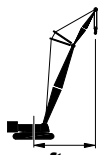
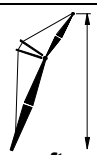
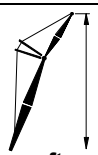
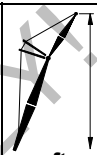
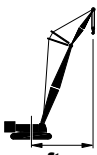
360°



137.8 ft

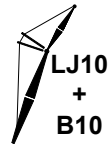


216.5 ft

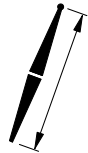
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
80	73.8	353.1	99,100							80
85	72.4	351.5	98,400							85
90	71.0	349.7	97,700							90
95	69.6	347.9	97,000	71.6	349.7	96,000				95
100	68.1	345.9	96,300	70.2	347.9	92,500				100
105	66.7	343.7	91,100	68.8	346.0	86,600				105
110	65.2	341.4	85,500	67.4	343.9	81,200				110
115	63.8	338.9	80,500	65.9	341.7	76,400	68.0	343.7	72,300	115
120	62.3	336.3	75,900	64.4	339.3	72,000	66.5	341.5	68,100	120
125	60.8	333.5	71,700	63.0	336.7	68,000	65.1	339.2	64,300	125
130	59.2	330.5	67,900	61.4	334.0	64,300	63.6	336.7	60,800	130
135	57.7	327.4	64,400	59.9	331.1	60,900	62.1	334.0	57,500	135
140	56.1	324.0	61,100	58.4	328.0	57,800	60.6	331.2	54,600	140
145	54.4	320.5	58,100	56.8	324.8	54,900	59.0	328.2	51,800	145
150	52.8	316.7	55,300	55.2	321.3	52,300	57.5	325.0	49,200	150
155	51.1	312.6	52,700	53.5	317.6	49,800	55.9	321.6	46,800	155
160	49.3	308.4	50,300	51.8	313.7	47,400	54.3	318.1	44,600	160
165	47.5	303.8	48,000	50.1	309.5	45,300	52.6	314.2	42,500	165
170	45.7	299.0	45,900	48.4	305.1	43,200	50.9	310.2	40,600	170
175	43.8	293.8	43,900	46.5	300.4	41,300	49.1	305.9	38,700	175
180	41.8	288.2	42,000	44.7	295.4	39,500	47.3	301.3	37,000	180
185	39.8	282.3	40,200	42.7	290.0	37,800	45.5	296.4	35,400	185
190	37.6	275.9	38,500	40.7	284.2	36,200	43.6	291.2	33,800	190
195	35.4	268.9	36,900	38.6	278.0	34,600	41.6	285.6	32,400	195
200	33.0	261.4	35,400	36.4	271.3	33,200	39.5	279.6	31,000	200
205	30.4	253.0	33,900	34.1	264.0	31,800	37.4	273.2	29,600	205
210	27.6	243.7	32,500	31.6	256.1	30,500	35.1	266.1	28,400	210
215	24.5	233.1	31,200	28.9	247.2	29,200	32.7	258.5	27,200	215
220	20.9	220.7	30,000	25.9	237.2	28,000	30.1	250.0	26,000	220
225	16.7	205.4	28,700	22.6	225.7	26,800	27.3	240.6	24,900	225
230	10.8	183.7	27,500	18.7	211.9	25,700	24.1	229.8	23,900	230
235				13.8	193.9	24,600	20.5	217.2	22,800	235
240				4.9	160.6	23,500	16.1	201.4	21,800	240
245							9.9	178.4	20,800	245
250										250
255										255
260										260
265										265
270										270

MLC300 S-1

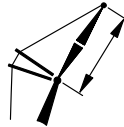
ASME B30.5



298,100 lb

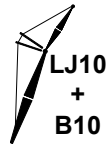


137.8 ft



216.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	62.7	332.2	46,600							145
150	61.1	329.5	44,200							150
155	59.6	326.5	42,000							155
160	58.1	323.4	40,000							160
165	56.5	320.1	38,000							165
170	54.9	316.6	36,200	58.5	320.6	31,900				170
175	53.2	312.9	34,500	57.0	317.3	30,400				175
180	51.5	308.9	32,900	55.4	313.9	28,900				180
185	49.8	304.7	31,400	53.7	310.2	27,500				185
190	48.0	300.2	30,000	52.0	306.3	26,200				190
195	46.2	295.4	28,600	50.3	302.2	24,900				195
200	44.3	290.3	27,300	48.6	297.8	23,800	52.4	302.4	20,300	200
205	42.3	284.9	26,100	46.7	293.1	22,600	50.7	298.3	19,200	205
210	40.3	279.1	24,900	44.9	288.1	21,600	49.0	294.0	18,300	210
215	38.2	272.8	23,800	42.9	282.8	20,500	47.2	289.4	17,300	215
220	35.9	266.0	22,800	40.9	277.1	19,600	45.3	284.5	16,400	220
225	33.6	258.6	21,800	38.8	270.9	18,600	43.4	279.2	15,600	225
230	31.0	250.4	20,800	36.6	264.3	17,700	41.4	273.6	14,700	230
235	28.3	241.4	19,900	34.3	257.1	16,900	39.3	267.6	13,800	235
240	25.3	231.1	19,000	31.8	249.2	16,100	37.2	261.1	13,000	240
245	21.9	219.3	18,100	29.2	240.4	15,300	34.9	254.0	12,200	245
250	17.9	204.9	17,200	26.3	230.6	14,500	32.4	246.3	11,400	250
255	12.6	185.5	16,400	23.0	219.3	13,800				255
260				19.2	205.8	13,000				260
265				14.4	188.4	12,300				265
270				6.6	159.3	11,500				270



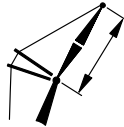
298,100 lb



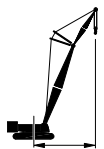
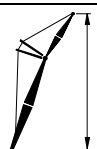
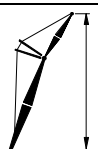
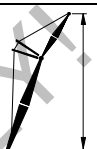
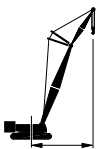
360°

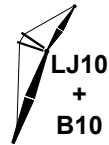


137.8 ft



236.2 ft

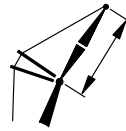
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
85	73.9	372.1	82,200							85
90	72.6	370.6	81,600							90
95	71.3	368.9	80,900							95
100	70.1	367.0	80,200	71.9	368.8	79,500				100
105	68.8	365.1	79,500	70.6	367.1	79,000				105
110	67.4	363.0	78,900	69.3	365.2	78,500				110
115	66.1	360.8	78,200	68.0	363.2	75,500				115
120	64.8	358.4	75,000	66.7	361.0	71,100	68.6	362.9	67,100	120
125	63.4	355.9	70,800	65.4	358.7	67,100	67.3	360.8	63,300	125
130	62.0	353.3	67,000	64.0	356.3	63,400	66.0	358.6	59,800	130
135	60.7	350.5	63,500	62.7	353.7	60,000	64.6	356.2	56,600	135
140	59.2	347.5	60,300	61.3	351.0	56,900	63.3	353.7	53,600	140
145	57.8	344.4	57,200	59.9	348.1	54,000	61.9	351.0	50,800	145
150	56.4	341.0	54,500	58.5	345.0	51,400	60.5	348.2	48,300	150
155	54.9	337.5	51,900	57.0	341.7	48,900	59.1	345.2	45,900	155
160	53.4	333.8	49,400	55.5	338.3	46,500	57.6	342.0	43,700	160
165	51.8	329.9	47,200	54.0	334.7	44,400	56.2	338.7	41,600	165
170	50.2	325.7	45,000	52.5	330.9	42,300	54.7	335.1	39,600	170
175	48.6	321.4	43,000	51.0	326.8	40,400	53.2	331.4	37,800	175
180	47.0	316.7	41,100	49.4	322.6	38,600	51.6	327.5	36,100	180
185	45.3	311.8	39,400	47.7	318.0	36,900	50.1	323.3	34,500	185
190	43.5	306.6	37,700	46.0	313.2	35,300	48.5	318.9	32,900	190
195	41.7	301.0	36,100	44.3	308.1	33,800	46.8	314.2	31,500	195
200	39.8	295.1	34,600	42.5	302.7	32,300	45.1	309.2	30,100	200
205	37.9	288.7	33,200	40.7	297.0	31,000	43.3	304.0	28,800	205
210	35.8	281.8	31,800	38.8	290.8	29,700	41.5	298.4	27,500	210
215	33.6	274.4	30,500	36.7	284.2	28,400	39.6	292.4	26,300	215
220	31.3	266.4	29,200	34.6	277.0	27,200	37.6	286.0	25,200	220
225	28.9	257.5	28,100	32.4	269.3	26,100	35.6	279.1	24,100	225
230	26.2	247.6	26,900	30.0	260.8	25,000	33.4	271.6	23,100	230
235	23.2	236.4	25,800	27.4	251.4	23,900	31.1	263.4	22,100	235
240	19.8	223.2	24,700	24.6	240.8	22,900	28.6	254.5	21,100	240
245	15.6	206.9	23,700	21.4	228.6	22,000	25.9	244.5	20,200	245
250	9.8	183.4	22,700	17.6	213.9	21,000	22.8	233.0	19,300	250
255				12.8	194.6	20,100	19.4	219.6	18,400	255
260				3.3	155.8	19,100	15.1	202.8	17,600	260
265							8.9	177.8	16,700	265
270										270
275										275



298,100 lb

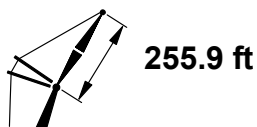
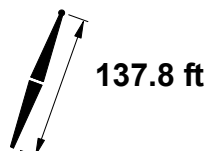


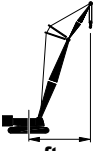
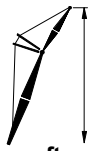
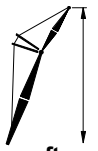
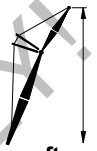
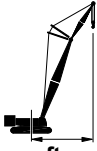
137.8 ft

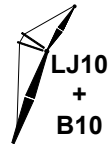


236.2 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150	63.8	351.8	43,200				150
155	62.4	349.2	41,000				155
160	61.0	346.4	38,900				160
165	59.6	343.5	37,000				165
170	58.2	340.4	35,200				170
175	56.7	337.1	33,500				175
180	55.3	333.6	31,900	58.6	337.5	27,800	180
185	53.7	330.0	30,400	57.2	334.3	26,500	185
190	52.2	326.1	29,000	55.7	330.9	25,100	190
195	50.6	322.0	27,700	54.2	327.3	23,900	195
200	49.0	317.7	26,400	52.7	323.5	22,700	200
205	47.4	313.1	25,200	51.1	319.5	21,600	205
210	45.7	308.3	24,000	49.5	315.2	20,600	210
215	44.0	303.1	22,900	47.9	310.7	19,500	215
220	42.2	297.7	21,900	46.2	306.0	18,600	220
225	40.3	291.8	20,900	44.5	300.9	17,700	225
230	38.4	285.6	19,900	42.7	295.5	16,800	230
235	36.3	278.8	19,000	40.9	289.8	15,900	235
240	34.2	271.6	18,100	39.0	283.7	15,100	240
245	31.9	263.7	17,300	37.0	277.1	14,400	245
250	29.5	255.0	16,400	34.9	270.0	13,600	250
255	26.9	245.4	15,700	32.6	262.4	12,800	255
260	24.0	234.6	14,900	30.3	254.0	12,000	260
265	20.7	222.0	14,100	27.7	244.7	11,200	265
270	16.8	206.7	13,400				270
275	11.6	185.8	12,700				275



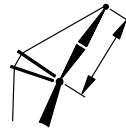
	 86°			 83°			 80°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
90	74.0	391.2	68,700							90
95	72.8	389.6	68,000							95
100	71.7	388.0	67,400							100
105	70.5	386.2	66,700							105
110	69.3	384.3	66,000	71.0	386.2	65,700				110
115	68.1	382.3	65,400	69.8	384.3	65,200				115
120	66.8	380.1	64,700	68.6	382.4	64,700				120
125	65.6	377.9	64,000	67.4	380.3	64,100				125
130	64.4	375.5	63,400	66.2	378.1	62,300	67.9	380.1	58,600	130
135	63.1	372.9	62,500	64.9	375.8	58,900	66.7	377.9	55,400	135
140	61.8	370.2	59,200	63.7	373.3	55,800	65.5	375.6	52,400	140
145	60.6	367.4	56,200	62.4	370.7	52,900	64.2	373.2	49,700	145
150	59.3	364.5	53,400	61.1	367.9	50,300	63.0	370.6	47,100	150
155	57.9	361.3	50,800	59.8	365.0	47,800	61.7	368.0	44,700	155
160	56.6	358.0	48,400	58.5	361.9	45,500	60.4	365.1	42,500	160
165	55.2	354.6	46,200	57.2	358.7	43,300	59.1	362.1	40,500	165
170	53.9	350.9	44,000	55.9	355.3	41,300	57.8	359.0	38,500	170
175	52.4	347.1	42,000	54.5	351.8	39,400	56.4	355.7	36,700	175
180	51.0	343.1	40,200	53.1	348.0	37,600	55.1	352.2	35,000	180
185	49.5	338.8	38,400	51.7	344.1	35,900	53.7	348.5	33,400	185
190	48.0	334.3	36,700	50.2	339.9	34,300	52.3	344.7	31,800	190
195	46.5	329.6	35,100	48.7	335.6	32,700	50.8	340.6	30,400	195
200	44.9	324.6	33,600	47.2	330.9	31,300	49.4	336.3	29,000	200
205	43.3	319.3	32,200	45.6	326.1	29,900	47.9	331.8	27,700	205
210	41.6	313.7	30,800	44.0	320.9	28,600	46.3	327.1	26,500	210
215	39.9	307.8	29,500	42.4	315.5	27,400	44.7	322.0	25,300	215
220	38.1	301.5	28,300	40.7	309.7	26,200	43.1	316.7	24,100	220
225	36.2	294.7	27,100	38.9	303.6	25,100	41.4	311.1	23,100	225
230	34.2	287.5	26,000	37.0	297.0	24,000	39.7	305.1	22,000	230
235	32.1	279.6	24,900	35.1	290.0	23,000	37.9	298.8	21,100	235
240	29.9	271.1	23,900	33.1	282.4	22,000	36.0	291.9	20,100	240
245	27.5	261.7	22,900	30.9	274.2	21,000	34.0	284.6	19,200	245
250	24.9	251.3	21,900	28.6	265.2	20,100	31.9	276.7	18,300	250
255	22.1	239.4	21,000	26.1	255.3	19,200	29.7	268.1	17,500	255
260	18.7	225.5	20,100	23.4	244.1	18,400	27.3	258.6	16,700	260
265	14.7	208.2	19,200	20.3	231.3	17,600	24.6	248.0	15,900	265
270	8.9	182.9	18,300	16.6	215.7	16,700	21.7	236.0	15,100	270
275				11.9	195.1	15,900	18.3	221.8	14,400	275
280							14.2	203.9	13,700	280
285							8.0	176.8	12,900	285



298,100 lb

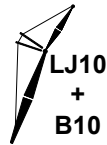


137.8 ft



255.9 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160	63.4	368.8	37,700				160
165	62.2	366.1	35,800				165
170	60.9	363.4	34,000				170
175	59.6	360.4	32,300				175
180	58.3	357.3	30,700				180
185	56.9	354.1	29,200				185
190	55.6	350.7	27,800	58.7	354.5	23,900	190
195	54.2	347.1	26,500	57.4	351.3	22,600	195
200	52.8	343.3	25,200	56.0	347.9	21,500	200
205	51.4	339.3	24,000	54.6	344.4	20,400	205
210	49.9	335.1	22,800	53.2	340.6	19,300	210
215	48.4	330.7	21,800	51.8	336.7	18,300	215
220	46.9	326.0	20,700	50.4	332.6	17,400	220
225	45.3	321.1	19,700	48.9	328.2	16,400	225
230	43.7	315.9	18,800	47.4	323.7	15,500	230
235	42.0	310.4	17,900	45.8	318.8	14,500	235
240	40.3	304.6	17,000	44.2	313.7	13,600	240
245	38.5	298.3	16,200	42.6	308.3	12,800	245
250	36.7	291.7	15,400	40.8	302.6	11,900	250
255	34.7	284.6	14,600	39.1	296.5	11,100	255
260	32.7	276.9	13,800				260
265	30.5	268.5	13,100				265
270	28.2	259.4	12,400				270
275	25.6	249.3	11,600				275
280	22.8	237.8	10,900				280
285							285



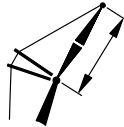
298,100 lb



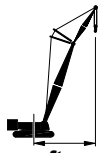
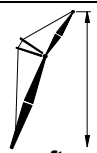
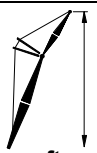
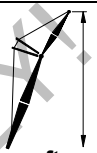
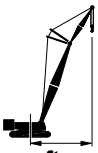
360°

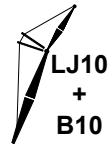


137.8 ft

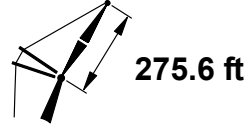


275.6 ft

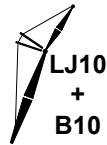
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
95	74.1	410.2	56,700							95
100	73.0	408.7	56,000							100
105	71.9	407.1	55,400							105
110	70.8	405.3	54,700							110
115	69.7	403.5	54,100	71.3	405.3	54,100				115
120	68.6	401.5	53,500	70.2	403.5	53,500				120
125	67.5	399.4	52,800	69.1	401.6	53,000				125
130	66.3	397.2	52,200	68.0	399.6	52,400				130
135	65.2	394.9	51,600	66.8	397.4	51,900	68.5	399.3	51,300	135
140	64.0	392.5	51,000	65.7	395.2	51,400	67.3	397.2	50,900	140
145	62.9	389.9	50,400	64.5	392.8	50,800	66.2	395.0	48,700	145
150	61.7	387.2	49,900	63.4	390.3	49,400	65.1	392.7	46,200	150
155	60.5	384.4	49,300	62.2	387.6	46,900	63.9	390.2	43,800	155
160	59.3	381.4	47,600	61.0	384.9	44,600	62.7	387.6	41,600	160
165	58.1	378.3	45,300	59.8	382.0	42,400	61.5	384.9	39,600	165
170	56.8	375.0	43,200	58.6	378.9	40,400	60.4	382.1	37,600	170
175	55.5	371.6	41,200	57.4	375.7	38,500	59.1	379.1	35,800	175
180	54.3	368.0	39,300	56.1	372.4	36,700	57.9	376.0	34,100	180
185	53.0	364.2	37,600	54.8	368.8	35,000	56.7	372.7	32,500	185
190	51.6	360.3	35,900	53.6	365.2	33,400	55.4	369.2	30,900	190
195	50.3	356.2	34,300	52.2	361.3	31,900	54.1	365.6	29,500	195
200	48.9	351.8	32,800	50.9	357.2	30,500	52.8	361.8	28,100	200
205	47.5	347.3	31,400	49.5	353.0	29,100	51.5	357.9	26,800	205
210	46.1	342.5	30,000	48.1	348.5	27,800	50.1	353.7	25,600	210
215	44.6	337.4	28,800	46.7	343.8	26,600	48.8	349.3	24,400	215
220	43.1	332.1	27,500	45.3	338.9	25,400	47.4	344.7	23,300	220
225	41.5	326.5	26,400	43.8	333.7	24,300	45.9	339.9	22,200	225
230	39.9	320.6	25,200	42.2	328.2	23,200	44.4	334.9	21,200	230
235	38.2	314.3	24,200	40.6	322.5	22,200	42.9	329.5	20,200	235
240	36.5	307.6	23,100	39.0	316.3	21,200	41.3	323.9	19,300	240
245	34.7	300.4	22,100	37.3	309.8	20,300	39.7	317.9	18,400	245
250	32.8	292.8	21,200	35.5	302.9	19,400	38.0	311.6	17,500	250
255	30.8	284.5	20,300	33.6	295.5	18,500	36.3	304.8	16,700	255
260	28.6	275.5	19,400	31.7	287.5	17,700	34.5	297.6	15,900	260
265	26.3	265.7	18,600	29.6	278.9	16,800	32.6	289.9	15,100	265
270	23.8	254.7	17,700	27.4	269.4	16,100	30.5	281.6	14,400	270
275	21.0	242.2	16,900	25.0	259.0	15,300	28.4	272.5	13,700	275
280	17.8	227.6	16,200	22.3	247.2	14,600	26.1	262.5	13,000	280
285	13.9	209.2	15,400	19.3	233.7	13,900	23.5	251.4	12,300	285
290	8.1	181.9	14,600	15.8	217.3	13,200	20.7	238.7	11,600	290
295				11.1	195.3	12,500	17.4	223.8	10,900	295



298,100 lb



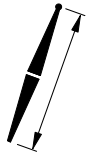
	75°		
	ft	ft	lb
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170	63.2	385.8	33,000
175	62.0	383.1	31,300
180	60.8	380.3	29,800
185	59.6	377.4	28,300
190	58.4	374.3	26,900
195	57.1	371.1	25,500
200	55.9	367.7	24,300
205	54.6	364.1	23,100
210	53.3	360.4	21,900
215	52.0	356.5	20,800
220	50.6	352.4	19,800
225	49.3	348.2	18,800
230	47.9	343.6	17,900
235	46.4	338.9	17,000
240	45.0	333.9	16,100
245	43.5	328.7	15,300
250	41.9	323.2	14,500
255	40.3	317.3	13,600
260	38.7	311.1	12,800
265	36.9	304.5	11,900
270	35.1	297.5	11,200
275			
280			
285			
290			
295			



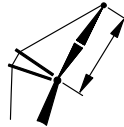
298,100 lb



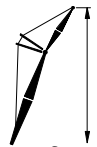
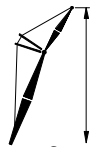
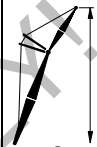
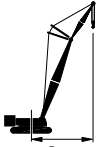
360°

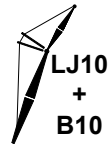


137.8 ft



295.3 ft

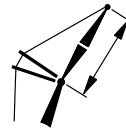
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.2	429.3	47,400							100
105	73.2	427.8	46,800							105
110	72.1	426.1	46,200							110
115	71.1	424.4	45,600							115
120	70.1	422.6	45,000	71.6	424.4	45,100				120
125	69.0	420.7	44,400	70.6	422.6	44,600				125
130	68.0	418.7	43,800	69.5	420.8	44,100				130
135	66.9	416.5	43,300	68.5	418.8	43,500				135
140	65.9	414.3	42,700	67.4	416.7	43,000	68.9	418.5	42,700	140
145	64.8	411.9	42,200	66.4	414.5	42,500	67.9	416.4	42,200	145
150	63.7	409.5	41,600	65.3	412.2	42,000	66.8	414.3	41,800	150
155	62.6	406.9	41,100	64.2	409.8	41,500	65.8	412.1	41,400	155
160	61.5	404.2	40,600	63.1	407.3	41,000	64.7	409.7	40,500	160
165	60.4	401.3	40,100	62.0	404.6	40,500	63.6	407.2	38,400	165
170	59.3	398.4	39,600	60.9	401.8	39,300	62.5	404.6	36,500	170
175	58.1	395.3	39,100	59.8	398.9	37,400	61.4	401.9	34,600	175
180	57.0	392.0	38,300	58.7	395.9	35,600	60.3	399.0	32,900	180
185	55.8	388.6	36,600	57.5	392.7	33,900	59.2	396.0	31,300	185
190	54.6	385.1	34,900	56.3	389.4	32,300	58.0	392.9	29,800	190
195	53.4	381.4	33,300	55.2	385.9	30,800	56.9	389.7	28,400	195
200	52.2	377.5	31,800	54.0	382.3	29,400	55.7	386.3	27,000	200
205	50.9	373.5	30,400	52.7	378.5	28,000	54.5	382.7	25,700	205
210	49.7	369.2	29,000	51.5	374.5	26,800	53.3	379.0	24,500	210
215	48.4	364.8	27,700	50.3	370.4	25,500	52.1	375.1	23,300	215
220	47.1	360.2	26,500	49.0	366.0	24,400	50.8	371.0	22,200	220
225	45.7	355.3	25,400	47.7	361.5	23,200	49.5	366.8	21,100	225
230	44.3	350.2	24,200	46.3	356.7	22,200	48.2	362.3	20,100	230
235	42.9	344.9	23,200	44.9	351.7	21,100	46.9	357.7	19,100	235
240	41.4	339.2	22,100	43.5	346.5	20,200	45.6	352.8	18,200	240
245	39.9	333.3	21,200	42.1	341.0	19,200	44.2	347.6	17,300	245
250	38.4	327.0	20,200	40.6	335.2	18,300	42.7	342.3	16,500	250
255	36.8	320.4	19,300	39.1	329.1	17,500	41.3	336.6	15,600	255
260	35.1	313.4	18,500	37.5	322.6	16,600	39.8	330.6	14,800	260
265	33.3	305.9	17,600	35.9	315.8	15,800	38.2	324.3	14,100	265
270	31.5	297.8	16,800	34.1	308.5	15,100	36.6	317.7	13,300	270
275	29.6	289.2	16,000	32.3	300.7	14,300	34.9	310.6	12,500	275
280	27.5	279.7	15,300	30.4	292.3	13,600	33.1	303.0	11,700	280
285	25.3	269.4	14,500	28.4	283.3	12,900	31.3	294.9	11,000	285
290	22.8	257.9	13,800	26.3	273.4	12,200				290
295	20.1	244.8	13,100	24.0	262.4	11,600				295
300	17.0	229.4	12,500							300
305	13.1	210.1	11,800							305
310	7.3	180.6	11,100							310



298,100 lb

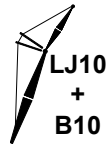


137.8 ft



295.3 ft

	75°		
	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175	64.0	405.3	30,100
180	62.9	402.8	28,500
185	61.8	400.1	27,000
190	60.7	397.3	25,600
195	59.6	394.3	24,300
200	58.4	391.3	23,100
205	57.3	388.1	21,900
210	56.1	384.7	20,700
215	54.9	381.2	19,700
220	53.7	377.5	18,600
225	52.5	373.7	17,600
230	51.3	369.7	16,600
235	50.0	365.5	15,600
240	48.7	361.2	14,600
245	47.4	356.6	13,700
250	46.1	351.8	12,800
255	44.7	346.7	12,000
260	43.3	341.5	11,100
265			
270			
275			
280			
285			
290			
295			
300			
305			
310			



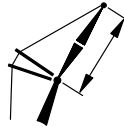
298,100 lb



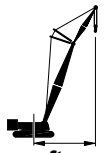
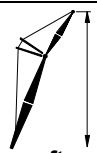
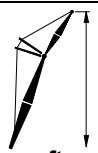
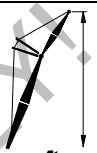
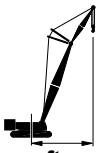
360°

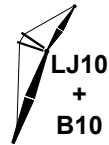


137.8 ft

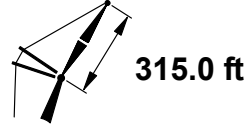


315.0 ft

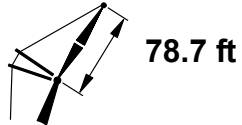
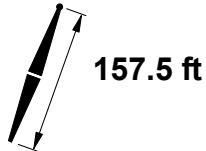
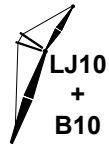
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
105	74.2	448.3	39,600							105
110	73.3	446.8	39,000							110
115	72.3	445.2	38,400							115
120	71.4	443.5	37,800							120
125	70.4	441.7	37,300	71.8	443.5	37,500				125
130	69.4	439.9	36,700	70.9	441.8	37,000				130
135	68.5	437.9	36,200	69.9	439.9	36,500				135
140	67.5	435.8	35,600	68.9	438.0	35,900				140
145	66.5	433.6	35,100	67.9	436.0	35,400				145
150	65.5	431.4	34,600	66.9	433.8	35,000	68.4	435.7	34,900	150
155	64.5	429.0	34,000	65.9	431.6	34,500	67.4	433.6	34,400	155
160	63.5	426.5	33,600	64.9	429.3	34,000	66.4	431.4	34,000	160
165	62.4	423.9	33,100	63.9	426.8	33,500	65.4	429.1	33,500	165
170	61.4	421.1	32,600	62.9	424.2	33,000	64.4	426.7	33,100	170
175	60.4	418.3	32,200	61.9	421.6	32,600	63.4	424.2	32,700	175
180	59.3	415.3	31,700	60.8	418.8	32,100	62.3	421.6	31,900	180
185	58.2	412.2	31,300	59.8	415.9	31,700	61.3	418.8	30,300	185
190	57.1	409.0	30,900	58.7	412.8	31,400	60.2	416.0	28,800	190
195	56.1	405.6	30,500	57.6	409.7	29,900	59.2	413.0	27,400	195
200	54.9	402.1	30,100	56.5	406.4	28,400	58.1	409.9	26,000	200
205	53.8	398.5	29,500	55.4	402.9	27,100	57.0	406.7	24,700	205
210	52.7	394.7	28,100	54.3	399.3	25,800	55.9	403.3	23,500	210
215	51.5	390.7	26,800	53.2	395.6	24,600	54.8	399.8	22,300	215
220	50.3	386.6	25,600	52.0	391.7	23,400	53.7	396.1	21,200	220
225	49.1	382.3	24,400	50.9	387.7	22,300	52.5	392.3	20,200	225
230	47.9	377.8	23,300	49.7	383.4	21,200	51.4	388.3	19,100	230
235	46.7	373.1	22,300	48.5	379.0	20,200	50.2	384.1	18,200	235
240	45.4	368.1	21,200	47.2	374.4	19,200	49.0	379.8	17,200	240
245	44.1	363.0	20,300	46.0	369.6	18,300	47.8	375.3	16,400	245
250	42.7	357.6	19,300	44.7	364.5	17,400	46.5	370.5	15,500	250
255	41.4	352.0	18,400	43.3	359.3	16,600	45.2	365.6	14,600	255
260	40.0	346.1	17,600	42.0	353.8	15,700	43.9	360.4	13,700	260
265	38.5	339.8	16,700	40.6	348.0	14,900	42.6	355.0	12,800	265
270	37.0	333.2	15,900	39.2	341.9	14,200	41.2	349.4	11,900	270
275	35.4	326.3	15,200	37.7	335.4	13,400	39.8	343.4	11,100	275
280	33.8	318.9	14,400	36.2	328.7	12,600				280
285	32.1	311.0	13,700	34.6	321.5	11,800				285
290	30.3	302.6	13,000	32.9	313.8	11,000				290
295	28.5	293.6	12,300							295
300	26.5	283.7	11,700							300
305	24.3	272.9	10,900							305



298,100 lb



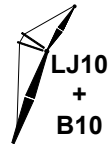
	75°		
	ft	ft	lb
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180			
185	63.7	422.3	26,000
190	62.7	419.7	24,600
195	61.7	417.0	23,300
200	60.6	414.2	22,000
205	59.6	411.3	20,800
210	58.5	408.2	19,600
215	57.4	405.0	18,400
220	56.3	401.7	17,300
225	55.2	398.3	16,200
230	54.1	394.6	15,100
235	53.0	390.9	14,100
240	51.8	386.9	13,200
245	50.6	382.9	12,200
250	49.4	378.6	11,400
255			
260			
265			
270			
275			
280			
285			
290			
295			
300			
305			



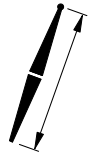
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	72.1	239.7	266,800 c							45
50	68.2	237.7	232,100 c							50
55	64.2	235.2	205,400 b	70.8	238.1	204,000 c				55
60	60.0	232.3	184,100	66.8	236.0	182,900 b				60
65	55.6	228.9	166,900	62.7	233.4	165,700 b				65
70	50.9	224.9	152,600	58.5	230.3	151,500	65.4	233.8	147,400 b	70
75	45.9	220.1	140,500	54.0	226.7	139,500	61.2	231.0	134,800 b	75
80	40.3	214.4	130,200	49.2	222.4	129,300	56.9	227.8	124,000	80
85	34.0	207.3	121,300	44.0	217.4	120,300	52.3	223.9	114,700	85
90	26.2	197.9	113,500	38.2	211.2	111,700	47.4	219.4	106,500	90
95	14.7	182.9	106,700	31.5	203.4	104,000	42.0	214.0	99,200	95
100				23.0	192.8	97,100	36.0	207.3	92,700	100
105				6.0	170.2	90,600	28.8	198.8	86,900	105
110							19.0	186.3	81,500	110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

MLC300 S-1

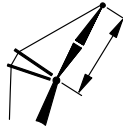
ASME B30.5



298,100 lb

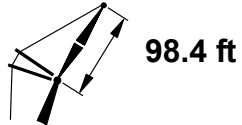
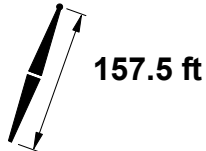
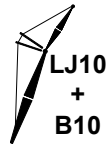


157.5 ft



78.7 ft

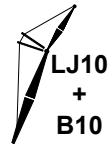
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	59.9	226.9	97,800 b							90
95	55.5	223.5	91,100							95
100	50.9	219.5	85,200							100
105	45.8	214.7	79,800	58.4	221.4	72,700				105
110	40.3	209.0	75,000	53.9	217.8	68,300				110
115	34.0	201.8	70,600	49.1	213.5	64,300				115
120	26.2	192.4	66,600	43.9	208.4	60,700				120
125	14.7	177.4	62,700	38.1	202.2	57,300	51.8	210.5	51,700	125
130				31.4	194.4	54,200	46.8	205.8	48,900	130
135				22.7	183.7	51,300	41.4	200.3	46,300	135
140				4.7	159.5	48,200	35.2	193.5	43,900	140
145							27.8	184.6	41,600	145
150							17.5	171.3	39,400	150



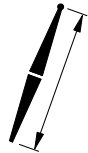
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50	72.8	258.8	233,200 c							50
55	69.7	256.9	206,300 b							55
60	66.5	254.7	185,000	71.7	257.2	183,700 b				60
65	63.2	252.2	167,600	68.6	255.3	166,500 b				65
70	59.9	249.3	153,200	65.4	253.0	152,200				70
75	56.4	246.0	141,100	62.1	250.3	140,200	67.4	253.2	133,700 b	75
80	52.7	242.2	130,800	58.7	247.3	129,300	64.2	250.7	123,000	80
85	48.9	237.9	121,800	55.1	243.8	119,600	60.9	248.0	113,700	85
90	44.8	232.9	114,000	51.4	239.9	111,100	57.4	244.8	105,600	90
95	40.3	227.1	107,200	47.5	235.3	103,600	53.8	241.1	98,400	95
100	35.4	220.3	101,100	43.3	230.1	96,900	50.0	237.0	92,000	100
105	29.7	211.9	95,300	38.7	224.0	90,900	46.0	232.2	86,300	105
110	22.7	201.0	89,600	33.5	216.7	85,500	41.7	226.7	81,200	110
115	12.0	183.2	84,300	27.5	207.7	80,500	36.9	220.2	76,500	115
120				19.7	195.3	75,900	31.5	212.4	72,200	120
125							25.0	202.4	68,300	125
130							16.0	187.8	64,600	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

MLC300 S-1

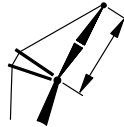
ASME B30.5



298,100 lb

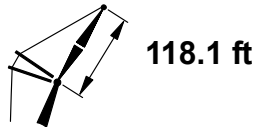
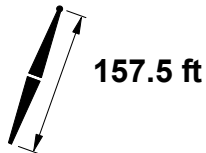
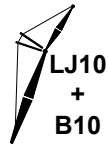


157.5 ft



98.4 ft

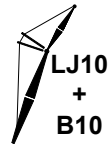
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	63.2	246.8	89,900							95
100	59.9	243.9	84,000							100
105	56.4	240.6	78,800							105
110	52.7	236.8	74,100							110
115	48.9	232.4	69,800	58.6	238.4	63,100				115
120	44.8	227.5	65,900	55.0	234.9	59,500				120
125	40.3	221.7	62,300	51.3	230.9	56,300				125
130	35.4	214.9	59,000	47.4	226.4	53,300				130
135	29.7	206.5	55,900	43.2	221.1	50,500	53.4	227.7	45,100	135
140	22.7	195.6	53,100	38.6	215.0	47,900	49.6	223.5	42,800	140
145	11.9	177.8	50,200	33.4	207.7	45,500	45.5	218.6	40,600	145
150				27.4	198.6	43,200	41.2	213.0	38,600	150
155				19.5	186.1	41,100	36.3	206.4	36,700	155
160							30.8	198.4	34,900	160
165							24.2	188.1	33,100	165
170							14.6	172.4	31,400	170



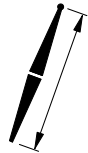
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	lb	ft	
55	73.2	277.8	207,000 b							55
60	70.6	276.1	185,600							60
65	68.0	274.0	168,200							65
70	65.3	271.7	153,700	69.7	274.5	152,700				70
75	62.6	269.1	141,600	67.1	272.4	139,900				75
80	59.8	266.2	131,200	64.4	270.0	128,700	68.8	272.4	122,200	80
85	56.9	263.0	122,200	61.6	267.3	119,000	66.1	270.2	112,900	85
90	53.9	259.4	114,400	58.8	264.3	110,500	63.4	267.7	104,800	90
95	50.8	255.3	107,500	55.9	260.9	103,000	60.6	264.9	97,700	95
100	47.5	250.8	101,400	52.8	257.1	96,400	57.8	261.8	91,400	100
105	44.0	245.7	95,100	49.7	252.9	90,400	54.8	258.2	85,700	105
110	40.3	239.9	89,500	46.3	248.2	85,100	51.7	254.3	80,600	110
115	36.3	233.2	84,400	42.8	242.8	80,200	48.5	249.9	76,000	115
120	31.8	225.4	79,800	39.0	236.8	75,800	45.1	245.0	71,800	120
125	26.6	216.0	75,500	34.8	229.8	71,800	41.5	239.4	68,000	125
130	20.1	203.6	71,600	30.1	221.5	68,000	37.5	233.1	64,400	130
135	9.8	182.9	67,800	24.6	211.2	64,600	33.2	225.7	61,200	135
140				17.3	197.1	61,300	28.2	216.8	58,100	140
145							22.3	205.5	55,300	145
150							13.8	188.7	52,500	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC300 S-1

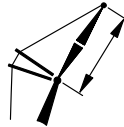
ASME B30.5



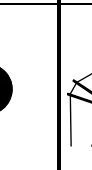
298,100 lb

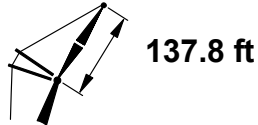
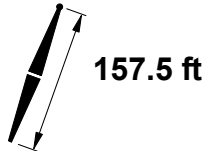
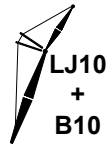


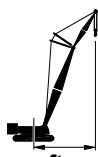
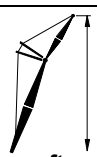
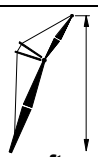
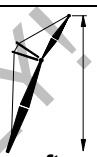
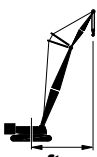
157.5 ft



118.1 ft

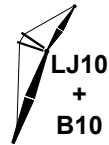
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.6	263.7	77,900							105
110	59.8	260.8	73,200							110
115	56.9	257.6	69,000							115
120	53.9	253.9	65,200							120
125	50.8	249.9	61,600	58.7	255.3	55,400				125
130	47.5	245.3	58,400	55.8	252.0	52,400				130
135	44.0	240.2	55,400	52.8	248.2	49,700				135
140	40.3	234.4	52,600	49.6	243.9	47,200				140
145	36.3	227.8	50,100	46.3	239.2	44,800				145
150	31.8	220.0	47,700	42.7	233.9	42,700	51.4	240.9	37,700	150
155	26.6	210.5	45,400	38.9	227.8	40,600	48.1	236.4	35,900	155
160	20.1	198.1	43,200	34.7	220.8	38,700	44.7	231.4	34,100	160
165	9.8	177.4	41,100	30.0	212.4	36,900	41.0	225.8	32,500	165
170				24.4	202.1	35,100	37.1	219.3	31,000	170
175				17.1	187.9	33,500	32.7	211.7	29,500	175
180							27.6	202.6	28,100	180
185							21.5	190.9	26,800	185
190							12.4	173.0	25,400	190



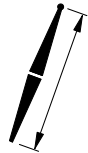
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	73.5	296.9	186,400							60
65	71.3	295.2	168,900							65
70	69.1	293.3	154,400							70
75	66.8	291.1	142,200	70.5	293.7	138,800				75
80	64.5	288.8	131,800	68.3	291.7	127,600				80
85	62.2	286.1	122,800	66.0	289.4	117,900				85
90	59.7	283.2	114,900	63.7	287.0	109,500	67.5	289.6	103,700	90
95	57.3	280.0	107,500	61.3	284.2	102,000	65.2	287.2	96,600	95
100	54.7	276.5	100,600	58.9	281.2	95,400	62.9	284.7	90,300	100
105	52.1	272.6	94,400	56.4	277.9	89,500	60.5	281.9	84,600	105
110	49.4	268.3	88,800	53.8	274.3	84,200	58.0	278.7	79,600	110
115	46.5	263.6	83,700	51.2	270.3	79,300	55.5	275.3	75,000	115
120	43.5	258.4	79,100	48.4	265.9	75,000	52.9	271.5	70,800	120
125	40.3	252.6	74,900	45.5	261.0	71,000	50.2	267.4	67,000	125
130	36.9	246.1	71,100	42.4	255.6	67,300	47.4	262.8	63,500	130
135	33.2	238.6	67,500	39.2	249.6	63,900	44.4	257.8	60,300	135
140	29.0	230.0	64,200	35.7	242.7	60,800	41.3	252.2	57,300	140
145	24.2	219.4	61,100	31.8	234.9	57,900	38.0	245.9	54,500	145
150	18.1	205.7	58,200	27.4	225.7	55,100	34.3	238.7	52,000	150
155	7.9	181.7	55,400	22.3	214.3	52,600	30.3	230.5	49,500	155
160				15.4	198.6	50,100	25.7	220.6	47,300	160
165							20.1	208.0	45,100	165
170							12.0	189.2	43,000	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

MLC300 S-1

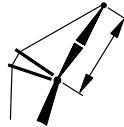
ASME B30.5



298,100 lb

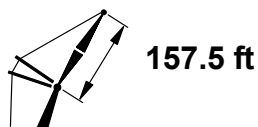
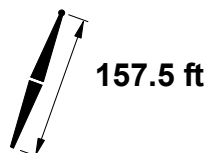
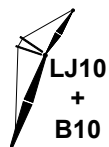


157.5 ft

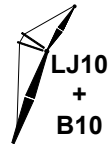


137.8 ft

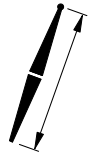
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.1	280.7	67,700							115
120	59.7	277.8	63,900							120
125	57.3	274.6	60,400							125
130	54.7	271.0	57,200							130
135	52.1	267.2	54,300	58.8	272.3	48,400				135
140	49.4	262.9	51,500	56.4	269.0	45,900				140
145	46.5	258.2	49,000	53.8	265.3	43,600				145
150	43.5	253.0	46,700	51.1	261.3	41,400				150
155	40.3	247.2	44,500	48.3	256.9	39,400				155
160	36.9	240.7	42,400	45.4	252.0	37,600	52.6	258.1	32,800	160
165	33.2	233.2	40,500	42.4	246.6	35,800	49.9	253.9	31,200	165
170	29.0	224.5	38,600	39.1	240.6	34,100	47.0	249.3	29,700	170
175	24.2	214.0	36,900	35.6	233.7	32,600	44.1	244.2	28,300	175
180	18.1	200.2	35,200	31.7	225.9	31,100	40.9	238.5	27,000	180
185	7.9	176.3	33,500	27.3	216.6	29,700	37.6	232.1	25,700	185
190				22.1	205.1	28,300	33.9	224.9	24,500	190
195				15.2	189.3	27,000	29.8	216.4	23,400	195
200							25.1	206.3	22,300	200
205							19.3	193.3	21,200	205
210							10.6	172.9	20,000	210



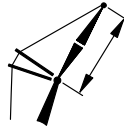
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	ft	
65	73.7	316.0	154,700							65
70	71.8	314.3	148,900							70
75	69.9	312.5	142,800							75
80	67.9	310.4	132,300	71.1	312.8	126,400				80
85	65.9	308.2	123,100	69.2	310.9	116,700				85
90	63.9	305.7	114,200	67.2	308.8	108,200				90
95	61.8	303.1	106,400	65.2	306.5	100,800	68.5	308.8	95,200	95
100	59.7	300.1	99,500	63.2	303.9	94,200	66.5	306.6	88,900	100
105	57.6	297.0	93,300	61.1	301.2	88,300	64.5	304.3	83,300	105
110	55.3	293.5	87,700	59.0	298.2	83,000	62.4	301.7	78,200	110
115	53.1	289.8	82,700	56.8	294.9	78,200	60.3	298.8	73,700	115
120	50.7	285.7	78,100	54.6	291.4	73,800	58.2	295.7	69,500	120
125	48.3	281.3	73,900	52.3	287.5	69,800	56.0	292.3	65,700	125
130	45.8	276.5	70,100	49.9	283.3	66,200	53.8	288.7	62,300	130
135	43.1	271.2	66,500	47.4	278.8	62,800	51.4	284.7	59,100	135
140	40.3	265.4	63,300	44.9	273.8	59,700	49.0	280.4	56,100	140
145	37.4	258.9	60,200	42.2	268.3	56,800	46.5	275.7	53,400	145
150	34.2	251.7	57,400	39.3	262.3	54,100	43.9	270.6	50,800	150
155	30.7	243.5	54,800	36.3	255.6	51,600	41.2	264.9	48,400	155
160	26.8	234.0	52,300	33.0	248.1	49,300	38.3	258.7	46,200	160
165	22.2	222.5	50,000	29.4	239.5	47,100	35.2	251.7	44,100	165
170	16.4	207.3	47,700	25.3	229.4	45,000	31.8	243.8	42,200	170
175	6.2	179.7	45,500	20.4	216.9	43,000	28.0	234.8	40,300	175
180				13.8	199.6	41,100	23.7	223.9	38,500	180
185							18.3	210.2	36,800	185
190							10.4	189.1	35,100	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230



298,100 lb

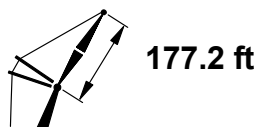
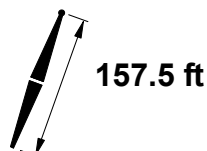


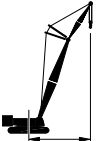
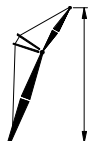
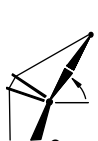
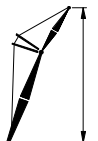
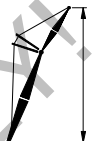
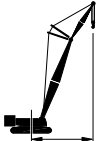
157.5 ft



157.5 ft

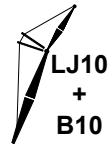
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.9	300.3	62,500							120
125	61.8	297.6	59,000							125
130	59.7	294.7	55,800							130
135	57.6	291.6	52,900							135
140	55.3	288.1	50,200							140
145	53.1	284.4	47,700	58.9	289.3	42,100				145
150	50.7	280.3	45,300	56.8	286.0	40,000				150
155	48.3	275.9	43,200	54.5	282.4	38,000				155
160	45.8	271.0	41,100	52.2	278.6	36,100				160
165	43.1	265.8	39,200	49.9	274.4	34,400				165
170	40.3	259.9	37,400	47.4	269.8	32,800	53.5	275.3	28,200	170
175	37.4	253.5	35,700	44.8	264.8	31,200	51.2	271.3	26,800	175
180	34.2	246.3	34,200	42.1	259.4	29,800	48.8	266.9	25,500	180
185	30.7	238.1	32,600	39.3	253.3	28,400	46.2	262.2	24,300	185
190	26.8	228.6	31,200	36.2	246.6	27,100	43.6	257.0	23,100	190
195	22.2	217.0	29,800	32.9	239.1	25,900	40.9	251.2	22,000	195
200	16.4	201.9	28,400	29.3	230.5	24,700	37.9	244.9	21,000	200
205	6.1	174.2	27,000	25.2	220.3	23,600	34.8	237.9	19,900	205
210				20.3	207.7	22,500	31.4	229.9	19,000	210
215				13.6	190.2	21,400	27.5	220.6	18,000	215
220							23.1	209.6	17,100	220
225							17.6	195.3	16,200	225
230							9.1	172.4	15,300	230



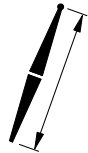
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
70	73.9	335.0	132,400							70
75	72.2	333.4	131,700							75
80	70.5	331.6	129,200							80
85	68.7	329.7	122,100	71.6	331.9	115,500				85
90	67.0	327.6	113,200	69.9	330.1	107,100				90
95	65.2	325.2	105,400	68.1	328.1	99,700				95
100	63.4	322.7	98,500	66.4	325.9	93,100				100
105	61.6	320.0	92,300	64.6	323.5	87,200	67.5	326.0	82,100	105
110	59.7	317.1	86,700	62.8	320.9	81,900	65.7	323.7	77,000	110
115	57.8	314.0	81,700	60.9	318.1	77,100	63.9	321.3	72,500	115
120	55.8	310.6	77,100	59.0	315.1	72,700	62.1	318.6	68,400	120
125	53.8	306.9	73,000	57.1	311.9	68,800	60.2	315.8	64,600	125
130	51.8	303.0	69,100	55.1	308.4	65,100	58.3	312.7	61,100	130
135	49.6	298.8	65,600	53.1	304.7	61,800	56.4	309.4	57,900	135
140	47.5	294.2	62,400	51.0	300.7	58,700	54.4	305.8	55,000	140
145	45.2	289.3	59,400	48.9	296.3	55,800	52.4	302.0	52,300	145
150	42.8	283.9	56,600	46.7	291.7	53,200	50.3	297.8	49,700	150
155	40.3	278.1	54,000	44.4	286.6	50,700	48.1	293.4	47,400	155
160	37.7	271.7	51,500	42.0	281.1	48,300	45.9	288.6	45,200	160
165	34.9	264.7	49,200	39.5	275.1	46,200	43.5	283.3	43,100	165
170	31.9	256.9	47,100	36.8	268.5	44,100	41.1	277.7	41,200	170
175	28.6	248.0	45,100	33.9	261.2	42,200	38.5	271.5	39,400	175
180	24.9	237.7	43,100	30.8	253.0	40,400	35.8	264.6	37,600	180
185	20.6	225.2	41,300	27.4	243.7	38,700	32.8	257.1	36,000	185
190	15.0	208.7	39,500	23.5	232.7	37,000	29.6	248.5	34,400	190
195	4.3	176.1	37,700	18.8	219.2	35,400	26.1	238.7	33,000	195
200				12.5	200.2	33,900	21.9	226.9	31,600	200
205							16.8	212.0	30,200	205
210							9.1	188.6	28,800	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245

MLC300 S-1

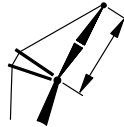
ASME B30.5



298,100 lb

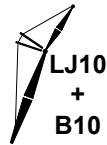


157.5 ft



177.2 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.4	317.3	54,500							130
135	61.6	314.6	51,600							135
140	59.7	311.7	48,900							140
145	57.8	308.5	46,400							145
150	55.8	305.1	44,100							150
155	53.8	301.5	42,000	59.0	306.2	36,600				155
160	51.8	297.6	39,900	57.1	303.0	34,800				160
165	49.6	293.4	38,100	55.1	299.5	33,100				165
170	47.5	288.8	36,300	53.1	295.8	31,500				170
175	45.2	283.9	34,600	51.0	291.7	30,000				175
180	42.8	278.5	33,100	48.9	287.4	28,600				180
185	40.3	272.7	31,600	46.6	282.7	27,200	52.1	288.5	23,000	185
190	37.7	266.3	30,200	44.3	277.6	25,900	50.0	284.3	21,800	190
195	34.9	259.3	28,800	41.9	272.1	24,700	47.9	279.8	20,700	195
200	31.9	251.4	27,500	39.4	266.1	23,600	45.6	275.0	19,700	200
205	28.6	242.5	26,300	36.7	259.5	22,500	43.3	269.7	18,700	205
210	24.9	232.2	25,200	33.9	252.2	21,400	40.8	264.0	17,800	210
215	20.6	219.7	24,000	30.7	244.0	20,400	38.2	257.7	16,900	215
220	15.0	203.2	22,900	27.3	234.6	19,500	35.5	250.8	16,000	220
225	4.3	170.6	21,700	23.4	223.6	18,500	32.5	243.1	15,200	225
230				18.7	210.0	17,600	29.2	234.5	14,300	230
235				12.3	190.8	16,700	25.6	224.4	13,400	235
240							21.4	212.4	12,600	240
245							16.2	196.9	11,700	245



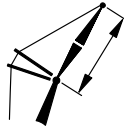
298,100 lb



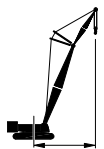
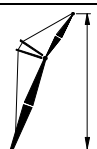
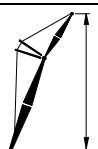
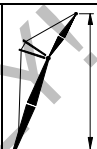
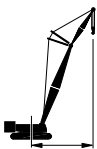
360°

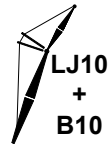


157.5 ft



196.9 ft

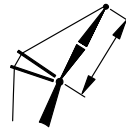
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.0	354.1	110,300							75
80	72.5	352.5	109,800							80
85	71.0	350.8	109,200							85
90	69.4	348.9	108,500	72.0	351.0	106,200				90
95	67.8	346.8	104,700	70.4	349.2	98,800				95
100	66.3	344.6	97,800	68.9	347.3	92,200				100
105	64.6	342.3	91,600	67.3	345.2	86,400				105
110	63.0	339.7	86,000	65.7	342.9	81,100	68.3	345.2	76,100	110
115	61.3	337.0	81,000	64.1	340.5	76,300	66.7	343.1	71,600	115
120	59.7	334.1	76,400	62.4	337.9	71,900	65.1	340.7	67,500	120
125	57.9	330.9	72,300	60.8	335.1	68,000	63.5	338.3	63,700	125
130	56.2	327.6	68,500	59.1	332.1	64,400	61.8	335.6	60,300	130
135	54.4	324.0	64,900	57.3	328.9	61,000	60.2	332.7	57,100	135
140	52.6	320.2	61,700	55.6	325.5	57,900	58.5	329.6	54,200	140
145	50.7	316.1	58,700	53.8	321.8	55,100	56.7	326.4	51,500	145
150	48.8	311.8	55,900	51.9	317.9	52,400	54.9	322.9	48,900	150
155	46.8	307.1	53,300	50.0	313.8	50,000	53.1	319.1	46,600	155
160	44.7	302.1	50,900	48.1	309.3	47,600	51.3	315.1	44,400	160
165	42.6	296.7	48,600	46.1	304.5	45,500	49.4	310.9	42,400	165
170	40.3	290.9	46,500	44.0	299.4	43,500	47.4	306.3	40,400	170
175	38.0	284.5	44,500	41.8	293.8	41,600	45.3	301.4	38,600	175
180	35.5	277.6	42,600	39.5	287.8	39,800	43.2	296.1	36,900	180
185	32.9	270.1	40,800	37.2	281.3	38,100	41.0	290.4	35,300	185
190	30.0	261.6	39,100	34.6	274.2	36,500	38.7	284.2	33,800	190
195	26.9	252.0	37,500	31.9	266.3	34,900	36.3	277.5	32,300	195
200	23.3	241.0	36,000	29.0	257.5	33,500	33.7	270.2	31,000	200
205	19.2	227.5	34,500	25.7	247.5	32,100	30.9	262.0	29,600	205
210	13.8	209.7	33,000	22.0	235.7	30,700	27.8	252.8	28,400	210
215				17.5	221.2	29,500	24.4	242.2	27,200	215
220				11.3	200.4	28,200	20.5	229.6	26,000	220
225							15.6	213.5	24,900	225
230							7.9	187.5	23,700	230
235										235
240										240
245										245
250										250
255										255



298,100 lb

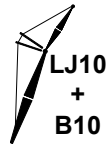


157.5 ft



196.9 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
75							75
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140	63.0	334.3	48,000				140
145	61.3	331.6	45,500				145
150	59.7	328.6	43,200				150
155	57.9	325.5	41,100				155
160	56.2	322.2	39,100				160
165	54.4	318.6	37,200				165
170	52.6	314.8	35,400	57.3	320.0	30,500	170
175	50.7	310.7	33,800	55.5	316.6	29,000	175
180	48.8	306.3	32,200	53.7	312.9	27,600	180
185	46.8	301.7	30,800	51.9	309.0	26,300	185
190	44.7	296.7	29,400	50.0	304.8	25,000	190
195	42.6	291.3	28,100	48.0	300.3	23,800	195
200	40.3	285.4	26,800	46.0	295.5	22,700	200
205	38.0	279.1	25,600	43.9	290.4	21,600	205
210	35.5	272.2	24,500	41.8	284.9	20,600	210
215	32.9	264.6	23,400	39.5	278.9	19,600	215
220	30.0	256.2	22,400	37.1	272.3	18,700	220
225	26.9	246.6	21,400	34.6	265.2	17,800	225
230	23.3	235.5	20,400	31.9	257.3	16,900	230
235	19.2	222.1	19,400	28.9	248.5	16,100	235
240	13.8	204.2	18,500	25.6	238.4	15,300	240
245				21.9	226.6	14,500	245
250				17.4	211.9	13,700	250
255				11.1	191.0	13,000	255



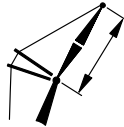
298,100 lb



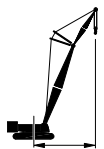
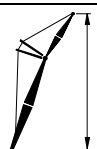
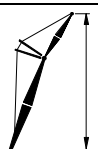
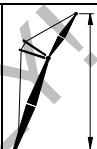
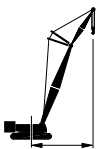
360°

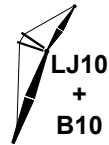


157.5 ft



216.5 ft

	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.1	373.1	92,600							80
85	72.8	371.6	92,000							85
90	71.4	369.9	91,500							90
95	70.0	368.0	90,900							95
100	68.5	366.1	90,300	70.9	368.4	89,600				100
105	67.1	364.0	89,600	69.5	366.5	85,200				105
110	65.6	361.7	85,000	68.0	364.5	79,900				110
115	64.2	359.3	80,000	66.6	362.3	75,200	69.0	364.4	70,400	115
120	62.7	356.7	75,400	65.1	360.0	70,800	67.5	362.4	66,300	120
125	61.2	353.9	71,300	63.7	357.5	66,900	66.1	360.1	62,500	125
130	59.6	351.0	67,500	62.2	354.9	63,300	64.6	357.8	59,100	130
135	58.1	347.9	63,900	60.7	352.0	59,900	63.1	355.2	55,900	135
140	56.5	344.6	60,700	59.1	349.1	56,800	61.6	352.5	53,000	140
145	54.9	341.1	57,700	57.5	345.9	54,000	60.1	349.7	50,300	145
150	53.2	337.4	54,900	55.9	342.5	51,400	58.6	346.6	47,800	150
155	51.5	333.4	52,300	54.3	338.9	48,900	57.0	343.4	45,400	155
160	49.8	329.2	49,900	52.7	335.1	46,600	55.4	339.9	43,300	160
165	48.0	324.7	47,700	51.0	331.1	44,400	53.7	336.3	41,200	165
170	46.2	320.0	45,500	49.2	326.8	42,400	52.1	332.4	39,300	170
175	44.3	314.9	43,600	47.4	322.2	40,500	50.3	328.2	37,500	175
180	42.4	309.4	41,700	45.6	317.3	38,700	48.6	323.9	35,800	180
185	40.3	303.6	39,900	43.7	312.1	37,100	46.8	319.2	34,200	185
190	38.2	297.3	38,200	41.7	306.6	35,500	44.9	314.2	32,700	190
195	36.0	290.5	36,600	39.6	300.6	33,900	43.0	308.9	31,300	195
200	33.6	283.1	35,100	37.5	294.1	32,500	41.0	303.2	29,900	200
205	31.1	275.0	33,700	35.2	287.2	31,100	38.9	297.0	28,600	205
210	28.4	266.0	32,300	32.8	279.5	29,800	36.7	290.4	27,400	210
215	25.4	255.8	31,000	30.2	271.1	28,600	34.3	283.2	26,200	215
220	22.0	244.0	29,700	27.4	261.7	27,400	31.9	275.3	25,100	220
225	17.9	229.6	28,500	24.2	251.0	26,300	29.2	266.6	24,000	225
230	12.7	210.4	27,300	20.7	238.5	25,200	26.3	256.7	23,000	230
235				16.3	222.8	24,100	23.0	245.5	22,000	235
240				10.2	200.3	23,000	19.2	232.0	21,000	240
245							14.5	214.7	20,100	245
250							6.7	185.8	19,100	250
255										255
260										260



298,100 lb

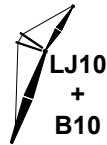


157.5 ft



216.5 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150	62.7	351.3	41,900				150
155	61.2	348.5	39,800				155
160	59.6	345.6	37,800				160
165	58.1	342.5	35,900				165
170	56.5	339.2	34,200				170
175	54.9	335.7	32,600				175
180	53.2	331.9	31,000	57.5	337.0	26,300	180
185	51.5	328.0	29,600	55.9	333.6	25,000	185
190	49.8	323.8	28,200	54.3	330.0	23,700	190
195	48.0	319.3	26,900	52.6	326.2	22,500	195
200	46.2	314.5	25,600	50.9	322.1	21,400	200
205	44.3	309.5	24,500	49.2	317.8	20,400	205
210	42.4	304.0	23,300	47.4	313.3	19,400	210
215	40.3	298.2	22,300	45.5	308.4	18,400	215
220	38.2	291.9	21,300	43.6	303.2	17,500	220
225	36.0	285.1	20,300	41.6	297.6	16,600	225
230	33.6	277.7	19,300	39.6	291.6	15,800	230
235	31.1	269.6	18,400	37.4	285.2	14,900	235
240	28.4	260.6	17,600	35.1	278.1	14,000	240
245	25.4	250.4	16,700	32.7	270.5	13,200	245
250	22.0	238.5	15,900	30.1	262.1	12,300	250
255	17.9	224.2	15,100	27.3	252.7	11,600	255
260	12.7	204.9	14,300				260



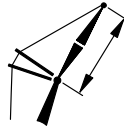
298,100 lb



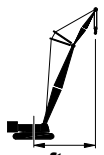
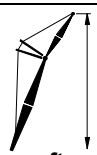
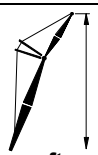
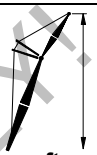
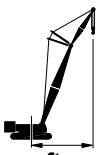
360°

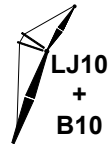


157.5 ft



236.2 ft

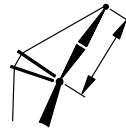
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.2	392.2	77,500							85
90	73.0	390.6	77,000							90
95	71.7	389.0	76,400							95
100	70.4	387.2	75,900							100
105	69.1	385.3	75,300	71.3	387.5	74,800				105
110	67.8	383.2	74,700	70.0	385.6	74,400				110
115	66.5	381.1	74,100	68.7	383.7	74,000				115
120	65.1	378.7	73,500	67.3	381.6	69,900				120
125	63.8	376.3	70,400	66.0	379.4	65,900	68.2	381.6	61,500	125
130	62.4	373.7	66,600	64.7	377.0	62,300	66.9	379.5	58,100	130
135	61.0	370.9	63,100	63.3	374.5	59,000	65.5	377.2	54,900	135
140	59.6	368.0	59,800	61.9	371.8	55,900	64.2	374.8	52,000	140
145	58.2	364.9	56,800	60.6	369.0	53,100	62.8	372.2	49,300	145
150	56.8	361.6	54,100	59.1	366.0	50,400	61.5	369.5	46,800	150
155	55.3	358.1	51,500	57.7	362.9	48,000	60.1	366.6	44,500	155
160	53.8	354.5	49,100	56.3	359.5	45,700	58.6	363.6	42,300	160
165	52.2	350.6	46,800	54.8	356.0	43,500	57.2	360.4	40,300	165
170	50.7	346.5	44,700	53.3	352.3	41,500	55.7	357.0	38,400	170
175	49.1	342.2	42,700	51.7	348.3	39,600	54.2	353.4	36,600	175
180	47.4	337.7	40,800	50.1	344.2	37,900	52.7	349.6	34,900	180
185	45.7	332.8	39,100	48.5	339.8	36,200	51.2	345.5	33,300	185
190	44.0	327.7	37,400	46.9	335.1	34,600	49.6	341.3	31,800	190
195	42.2	322.2	35,800	45.2	330.2	33,100	47.9	336.8	30,400	195
200	40.3	316.4	34,300	43.4	324.9	31,700	46.3	332.0	29,000	200
205	38.4	310.1	32,900	41.6	319.3	30,300	44.5	327.0	27,700	205
210	36.4	303.4	31,500	39.7	313.4	29,000	42.8	321.6	26,500	210
215	34.2	296.2	30,200	37.7	307.0	27,800	40.9	315.9	25,300	215
220	32.0	288.3	29,000	35.7	300.1	26,600	39.0	309.8	24,200	220
225	29.6	279.7	27,800	33.5	292.6	25,500	37.0	303.2	23,200	225
230	26.9	270.1	26,700	31.2	284.5	24,400	34.9	296.1	22,200	230
235	24.0	259.3	25,600	28.7	275.6	23,400	32.7	288.5	21,200	235
240	20.8	246.7	24,500	26.0	265.6	22,400	30.3	280.1	20,300	240
245	16.9	231.4	23,500	23.0	254.3	21,400	27.7	270.8	19,300	245
250	11.7	210.8	22,500	19.5	240.9	20,500	24.9	260.4	18,500	250
255				15.3	224.3	19,600	21.8	248.4	17,600	255
260				9.3	199.9	18,700	18.1	234.1	16,800	260
265							13.5	215.6	16,000	265
270							5.6	183.4	15,100	270
275										275



298,100 lb

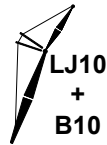


157.5 ft



236.2 ft

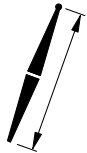
	75°			70°			
ft	ft	ft	lb	ft	ft	lb	ft
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155	63.8	370.9	38,700				155
160	62.4	368.2	36,700				160
165	61.0	365.5	34,900				165
170	59.6	362.5	33,200				170
175	58.2	359.5	31,500				175
180	56.8	356.2	30,000				180
185	55.3	352.7	28,500				185
190	53.8	349.1	27,200	57.7	353.9	22,700	190
195	52.2	345.2	25,900	56.2	350.6	21,500	195
200	50.7	341.1	24,700	54.7	347.1	20,400	200
205	49.1	336.8	23,500	53.2	343.3	19,300	205
210	47.4	332.2	22,400	51.7	339.4	18,300	210
215	45.7	327.4	21,300	50.1	335.2	17,300	215
220	44.0	322.2	20,300	48.5	330.8	16,300	220
225	42.2	316.8	19,300	46.8	326.2	15,300	225
230	40.3	310.9	18,400	45.1	321.2	14,300	230
235	38.4	304.7	17,500	43.4	315.9	13,500	235
240	36.4	298.0	16,700	41.5	310.3	12,600	240
245	34.2	290.7	15,900	39.6	304.4	11,800	245
250	32.0	282.9	15,100	37.7	298.0	11,000	250
255	29.6	274.2	14,300				255
260	26.9	264.7	13,600				260
265	24.0	253.8	12,900				265
270	20.8	241.3	12,100				270
275	16.9	226.0	11,300				275



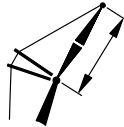
298,100 lb



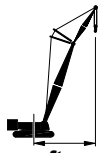
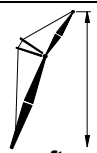
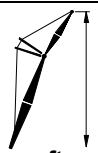
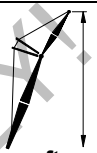
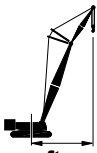
360°

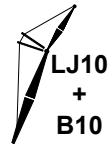


157.5 ft

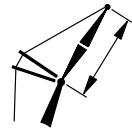


255.9 ft

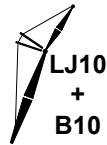
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
90	74.3	411.2	65,200							90
95	73.2	409.7	64,700							95
100	72.0	408.1	64,200							100
105	70.8	406.3	63,600							105
110	69.6	404.5	63,000	71.6	406.6	62,700				110
115	68.4	402.5	62,400	70.4	404.8	62,300				115
120	67.2	400.4	61,900	69.2	402.9	61,800				120
125	66.0	398.1	61,300	68.0	400.9	61,400				125
130	64.7	395.8	60,700	66.8	398.7	60,900	68.8	400.8	56,800	130
135	63.5	393.3	60,200	65.5	396.4	57,900	67.5	398.8	53,700	135
140	62.2	390.6	58,800	64.3	394.0	54,800	66.3	396.6	50,800	140
145	60.9	387.9	55,800	63.0	391.5	52,000	65.1	394.2	48,100	145
150	59.6	384.9	53,000	61.8	388.8	49,300	63.8	391.8	45,600	150
155	58.3	381.8	50,500	60.5	386.0	46,900	62.6	389.2	43,300	155
160	57.0	378.6	48,100	59.2	383.0	44,600	61.3	386.5	41,100	160
165	55.6	375.2	45,800	57.8	379.8	42,400	60.0	383.6	39,100	165
170	54.2	371.6	43,700	56.5	376.5	40,400	58.7	380.5	37,200	170
175	52.8	367.8	41,700	55.1	373.1	38,600	57.4	377.3	35,400	175
180	51.4	363.8	39,800	53.8	369.4	36,800	56.0	374.0	33,700	180
185	49.9	359.6	38,100	52.3	365.5	35,100	54.6	370.4	32,200	185
190	48.4	355.2	36,400	50.9	361.5	33,500	53.3	366.7	30,700	190
195	46.9	350.6	34,800	49.4	357.2	32,000	51.8	362.8	29,200	195
200	45.3	345.6	33,300	47.9	352.7	30,600	50.4	358.7	27,900	200
205	43.7	340.4	31,900	46.4	348.0	29,300	48.9	354.3	26,600	205
210	42.1	334.9	30,600	44.8	343.0	28,000	47.4	349.7	25,400	210
215	40.3	329.1	29,300	43.2	337.7	26,800	45.8	344.9	24,300	215
220	38.6	322.9	28,000	41.5	332.1	25,600	44.2	339.8	23,200	220
225	36.7	316.3	26,900	39.7	326.1	24,500	42.6	334.4	22,100	225
230	34.8	309.1	25,700	37.9	319.7	23,400	40.9	328.6	21,100	230
235	32.7	301.5	24,700	36.0	313.0	22,400	39.1	322.5	20,100	235
240	30.5	293.1	23,600	34.1	305.7	21,400	37.3	316.0	19,200	240
245	28.2	284.0	22,700	32.0	297.8	20,500	35.3	309.1	18,300	245
250	25.7	273.9	21,700	29.7	289.2	19,600	33.3	301.6	17,500	250
255	22.9	262.5	20,800	27.4	279.7	18,700	31.2	293.5	16,700	255
260	19.7	249.2	19,900	24.7	269.2	17,900	28.9	284.6	15,900	260
265	15.9	233.0	19,000	21.8	257.2	17,100	26.5	274.8	15,100	265
270	10.8	210.9	18,100	18.5	243.1	16,300	23.7	263.8	14,400	270
275				14.4	225.5	15,500	20.7	251.2	13,600	275
280				8.4	199.1	14,700	17.1	236.0	12,900	280
285							12.6	216.3	12,200	285
290							4.4	179.9	11,500	290



298,100 lb



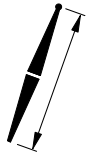
	75°		
	ft	ft	lb
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165	63.5	387.9	33,600
170	62.2	385.2	31,900
175	60.9	382.4	30,300
180	59.6	379.5	28,700
185	58.3	376.4	27,300
190	57.0	373.2	25,900
195	55.6	369.8	24,700
200	54.2	366.2	23,400
205	52.8	362.4	22,300
210	51.4	358.4	21,200
215	49.9	354.2	20,100
220	48.4	349.8	19,100
225	46.9	345.1	18,200
230	45.3	340.2	17,300
235	43.7	335.0	16,400
240	42.1	329.5	15,500
245	40.3	323.7	14,600
250	38.6	317.5	13,700
255	36.7	310.8	12,900
260	34.8	303.7	12,100
265	32.7	296.0	11,300
270			
275			
280			
285			
290			



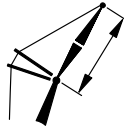
298,100 lb



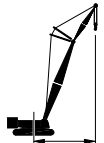
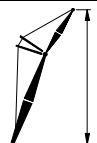
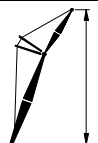
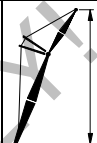
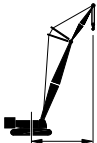
360°

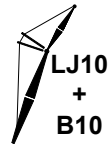


157.5 ft

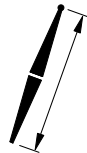


275.6 ft

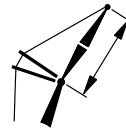
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.4	430.3	54,300							95
100	73.3	428.8	53,700							100
105	72.2	427.2	53,200							105
110	71.1	425.4	52,600							110
115	70.0	423.6	52,100	71.8	425.7	52,000				115
120	68.9	421.7	51,500	70.7	423.9	51,500				120
125	67.8	419.6	51,000	69.6	422.1	51,100				125
130	66.6	417.5	50,400	68.5	420.1	50,600				130
135	65.5	415.2	49,900	67.4	418.0	50,200				135
140	64.3	412.8	49,400	66.2	415.8	49,700	68.1	418.0	49,000	140
145	63.2	410.3	48,800	65.1	413.5	49,200	67.0	415.9	47,200	145
150	62.0	407.6	48,300	63.9	411.0	48,400	65.8	413.6	44,700	150
155	60.8	404.8	47,800	62.8	408.5	46,000	64.7	411.3	42,400	155
160	59.6	401.9	47,200	61.6	405.8	43,700	63.5	408.8	40,200	160
165	58.4	398.8	45,000	60.4	402.9	41,600	62.4	406.2	38,200	165
170	57.2	395.6	42,900	59.2	399.9	39,600	61.2	403.4	36,300	170
175	55.9	392.2	40,900	58.0	396.8	37,700	60.0	400.5	34,500	175
180	54.6	388.7	39,000	56.7	393.5	35,900	58.8	397.5	32,800	180
185	53.3	384.9	37,300	55.5	390.1	34,200	57.5	394.3	31,300	185
190	52.0	381.0	35,600	54.2	386.5	32,700	56.3	391.0	29,800	190
195	50.7	377.0	34,000	52.9	382.7	31,200	55.0	387.5	28,300	195
200	49.3	372.7	32,500	51.5	378.8	29,800	53.7	383.8	27,000	200
205	47.9	368.2	31,100	50.2	374.6	28,400	52.4	380.0	25,700	205
210	46.5	363.4	29,800	48.8	370.2	27,100	51.1	376.0	24,500	210
215	45.0	358.5	28,500	47.4	365.7	25,900	49.7	371.7	23,400	215
220	43.5	353.2	27,300	46.0	360.8	24,800	48.3	367.3	22,300	220
225	41.9	347.7	26,100	44.5	355.8	23,700	46.9	362.6	21,200	225
230	40.3	341.9	25,000	43.0	350.4	22,600	45.4	357.7	20,200	230
235	38.7	335.7	23,900	41.4	344.8	21,600	44.0	352.6	19,300	235
240	37.0	329.1	22,900	39.8	338.9	20,600	42.4	347.1	18,400	240
245	35.2	322.1	21,900	38.1	332.5	19,700	40.8	341.4	17,500	245
250	33.3	314.6	21,000	36.4	325.8	18,800	39.2	335.3	16,600	250
255	31.3	306.5	20,100	34.5	318.6	17,900	37.5	328.9	15,800	255
260	29.2	297.7	19,200	32.6	310.9	17,100	35.7	322.0	15,100	260
265	27.0	288.1	18,300	30.6	302.6	16,300	33.9	314.6	14,300	265
270	24.5	277.5	17,500	28.5	293.6	15,600	31.9	306.7	13,600	270
275	21.8	265.5	16,700	26.2	283.7	14,800	29.9	298.2	12,800	275
280	18.8	251.5	16,000	23.6	272.6	14,100	27.7	288.8	12,000	280
285	15.1	234.4	15,200	20.8	260.0	13,400	25.3	278.5	11,300	285
290	10.0	210.8	14,500	17.6	245.1	12,700				290
295				13.5	226.4	12,000				295
300				7.5	197.9	11,300				300



298,100 lb

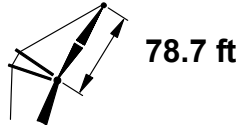
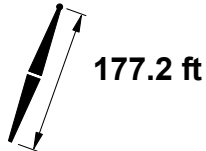
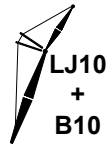


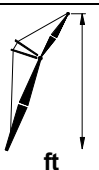
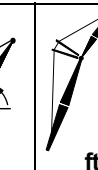
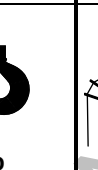
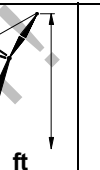
157.5 ft



275.6 ft

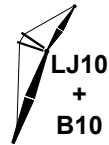
	75°		
	ft	ft	lb
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175	63.2	404.8	29,300
180	62.0	402.2	27,800
185	60.8	399.4	26,300
190	59.6	396.5	25,000
195	58.4	393.4	23,700
200	57.2	390.2	22,500
205	55.9	386.8	21,300
210	54.6	383.2	20,200
215	53.3	379.5	19,200
220	52.0	375.6	18,200
225	50.7	371.5	17,100
230	49.3	367.2	16,100
235	47.9	362.7	15,100
240	46.5	358.0	14,200
245	45.0	353.0	13,300
250	43.5	347.8	12,400
255	41.9	342.3	11,600
260			
265			
270			
275			
280			
285			
290			
295			
300			



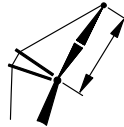
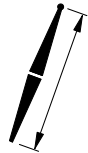
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
45	73.2	259.8	254,200 d							45
50	69.3	257.9	233,300 c							50
55	65.3	255.6	206,400 b							55
60	61.1	252.8	185,100 b	68.7	256.6	183,700 c				60
65	56.8	249.6	167,700	64.7	254.2	166,500 b				65
70	52.2	245.7	153,300	60.5	251.4	152,200 b	68.1	254.8	144,600 c	70
75	47.3	241.2	141,200	56.2	248.1	139,800	64.1	252.3	132,200 b	75
80	41.9	235.7	130,900	51.5	244.1	128,600	59.9	249.4	121,600 b	80
85	35.8	229.0	121,900	46.6	239.5	118,900	55.5	246.0	112,500	85
90	28.6	220.4	114,100	41.1	233.9	110,400	50.8	242.0	104,400	90
95	18.7	207.8	107,200	34.9	227.0	102,800	45.8	237.2	97,300	95
100				27.4	218.0	96,100	40.2	231.4	91,000	100
105				16.8	204.3	89,900	33.9	224.3	85,300	105
110							26.1	214.8	80,100	110
115							14.4	199.6	75,200	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-1

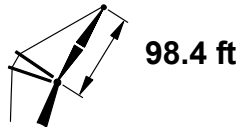
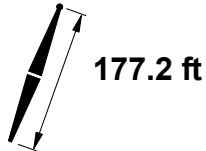
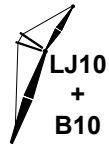
ASME B30.5

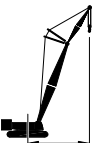
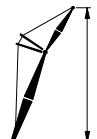
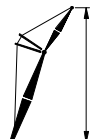
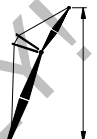
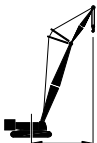


298,100 lb



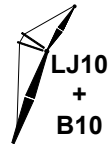
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.0	246.0	88,000 b							95
100	55.6	242.6	82,300							100
105	51.0	238.6	77,100							105
110	45.9	233.8	72,500							110
115	40.4	228.1	68,200	55.5	237.6	61,000				115
120	34.1	221.0	64,400	50.8	233.6	57,500				120
125	26.4	211.7	60,800	45.7	228.8	54,300				125
130	15.0	196.9	57,300	40.2	223.0	51,400				130
135				33.8	215.8	48,700	50.1	226.8	42,800	135
140				26.1	206.4	46,100	45.0	221.9	40,600	140
145				14.4	191.2	43,500	39.4	216.0	38,500	145
150							32.9	208.6	36,500	150
155							24.8	198.7	34,600	155
160							11.8	181.6	32,600	160



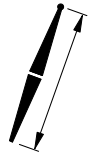
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
50	73.6	278.9	223,700 c							50
55	70.5	277.1	207,400 b							55
60	67.4	275.0	185,900 b							60
65	64.1	272.6	168,500	70.1	275.8	167,200 b				65
70	60.8	269.8	154,000	66.9	273.7	151,900 b				70
75	57.3	266.6	141,900	63.7	271.2	138,900				75
80	53.7	262.9	131,500	60.3	268.3	127,700	66.4	271.8	120,500 b	80
85	49.9	258.8	122,500	56.8	265.1	118,100	63.2	269.3	111,400	85
90	45.9	254.0	114,600	53.2	261.4	109,700	59.8	266.4	103,400	90
95	41.6	248.4	107,700	49.4	257.1	102,300	56.3	263.1	96,400	95
100	36.8	241.9	101,100	45.3	252.2	95,700	52.6	259.3	90,200	100
105	31.4	234.1	94,900	40.9	246.6	89,700	48.8	254.9	84,600	105
110	24.8	224.0	89,200	36.1	239.9	84,400	44.7	249.9	79,500	110
115	15.7	209.2	83,900	30.5	231.8	79,500	40.2	244.2	74,900	115
120				23.8	221.4	75,100	35.3	237.3	70,800	120
125				14.0	205.2	70,800	29.6	228.9	66,900	125
130							22.6	217.9	63,300	130
135							11.7	199.9	59,900	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-1

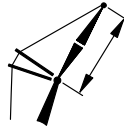
ASME B30.5



298,100 lb

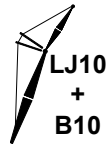


177.2 ft



98.4 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	63.3	265.8	81,000							100
105	59.9	262.9	75,900							105
110	56.4	259.6	71,400							110
115	52.8	255.9	67,200							115
120	48.9	251.5	63,500							120
125	44.8	246.6	60,000	56.3	254.6	53,100				125
130	40.4	240.8	56,800	52.6	250.9	50,200				130
135	35.5	234.0	53,900	48.8	246.5	47,600				135
140	29.8	225.7	51,100	44.7	241.5	45,200				140
145	22.9	214.8	48,500	40.2	235.7	42,900	52.1	244.2	37,200	145
150	12.2	197.3	46,000	35.3	228.9	40,800	48.3	239.8	35,400	150
155				29.6	220.5	38,700	44.1	234.7	33,600	155
160				22.6	209.5	36,800	39.6	228.8	31,900	160
165				11.6	191.4	34,900	34.6	221.7	30,300	165
170							28.8	213.1	28,800	170
175							21.4	201.6	27,400	175
180							9.1	180.9	25,800	180



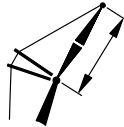
298,100 lb



360°



177.2 ft

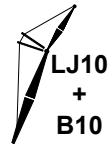


118.1 ft

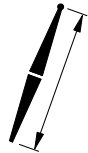
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.9	297.9	197,100 b							55
60	71.3	296.2	186,500 b							60
65	68.7	294.3	169,000							65
70	66.1	292.0	154,500	71.0	295.0	151,100 b				70
75	63.4	289.5	142,300	68.4	293.0	138,100				75
80	60.6	286.7	131,900	65.7	290.7	127,000				80
85	57.7	283.6	122,900	63.0	288.2	117,500	67.9	291.1	110,600	85
90	54.7	280.0	115,000	60.2	285.3	109,100	65.3	288.8	102,600	90
95	51.7	276.1	107,700	57.3	282.1	101,700	62.5	286.2	95,600	95
100	48.4	271.7	100,800	54.3	278.5	95,100	59.7	283.3	89,400	100
105	45.0	266.8	94,600	51.2	274.5	89,300	56.8	280.1	83,900	105
110	41.4	261.2	89,000	48.0	270.0	84,000	53.8	276.4	78,900	110
115	37.4	254.8	84,000	44.5	265.0	79,200	50.7	272.4	74,400	115
120	33.1	247.3	79,400	40.8	259.3	74,800	47.4	267.8	70,200	120
125	28.1	238.4	75,100	36.9	252.8	70,800	44.0	262.7	66,500	125
130	22.1	227.0	71,200	32.4	245.2	67,100	40.3	256.9	63,000	130
135	13.5	210.1	67,500	27.4	236.0	63,700	36.2	250.2	59,800	135
140				21.1	224.1	60,600	31.7	242.4	56,800	140
145				11.8	205.6	57,500	26.5	232.9	54,100	145
150							20.0	220.4	51,400	150
155							9.5	199.4	48,900	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-1

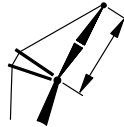
ASME B30.5



298,100 lb

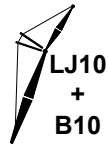


177.2 ft



118.1 ft

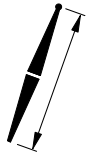
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.6	282.8	70,500							110
115	59.8	279.9	66,400							115
120	57.0	276.6	62,600							120
125	54.0	273.0	59,200							125
130	50.8	269.0	56,100							130
135	47.6	264.5	53,200	56.8	271.7	46,700				135
140	44.1	259.4	50,600	53.8	268.0	44,300				140
145	40.4	253.6	48,100	50.7	264.0	42,100				145
150	36.4	246.9	45,800	47.4	259.4	40,000				150
155	31.9	239.2	43,600	44.0	254.3	38,100	53.4	261.4	32,700	155
160	26.7	229.7	41,500	40.2	248.5	36,300	50.3	257.3	31,100	160
165	20.3	217.4	39,600	36.2	241.8	34,500	47.0	252.6	29,500	165
170	10.1	197.1	37,600	31.7	234.0	32,900	43.5	247.4	28,100	170
175				26.5	224.5	31,400	39.7	241.5	26,800	175
180				20.0	212.0	29,900	35.6	234.7	25,500	180
185				9.4	190.9	28,300	31.1	226.7	24,200	185
190							25.7	216.9	23,100	190
195							18.9	203.8	21,900	195
200							6.7	179.1	20,600	200



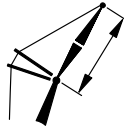
298,100 lb



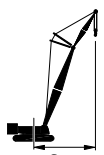
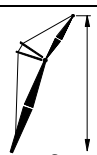
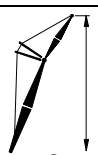
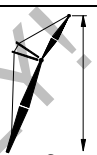
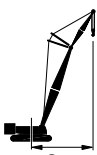
360°



177.2 ft

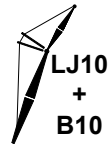


137.8 ft

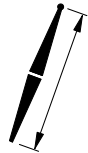
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
60	74.1	317.0	167,400							60
65	71.9	315.3	165,800							65
70	69.7	313.5	155,200							70
75	67.4	311.4	142,900	71.6	314.1	137,000				75
80	65.1	309.1	132,400	69.4	312.2	125,900				80
85	62.8	306.5	123,400	67.1	310.1	116,400				85
90	60.4	303.7	114,700	64.8	307.7	108,000				90
95	58.0	300.5	106,900	62.5	305.1	100,600	66.8	308.2	94,400	95
100	55.4	297.1	100,000	60.1	302.2	94,100	64.5	305.9	88,200	100
105	52.8	293.3	93,800	57.6	299.1	88,300	62.1	303.2	82,700	105
110	50.1	289.2	88,300	55.1	295.6	83,000	59.7	300.3	77,700	110
115	47.3	284.6	83,200	52.5	291.8	78,200	57.2	297.1	73,300	115
120	44.4	279.5	78,700	49.7	287.6	73,900	54.7	293.5	69,200	120
125	41.2	273.9	74,500	46.9	282.9	70,000	52.1	289.7	65,400	125
130	37.9	267.6	70,700	43.9	277.8	66,300	49.3	285.4	62,000	130
135	34.2	260.4	67,100	40.8	272.1	63,000	46.5	280.7	58,900	135
140	30.2	252.1	63,800	37.4	265.7	59,900	43.5	275.5	55,900	140
145	25.6	242.2	60,800	33.7	258.3	57,000	40.3	269.7	53,200	145
150	19.9	229.6	57,900	29.6	249.8	54,300	36.8	263.1	50,700	150
155	11.7	210.4	55,100	24.9	239.6	51,800	33.1	255.6	48,300	155
160				19.0	226.4	49,400	28.9	246.9	46,100	160
165				10.0	205.3	47,100	24.1	236.4	44,000	165
170							17.9	222.5	42,000	170
175							7.6	198.1	40,000	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-1

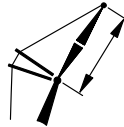
ASME B30.5



298,100 lb

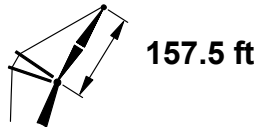
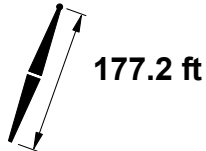
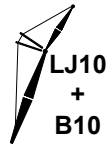


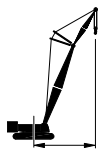
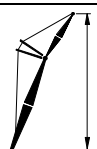
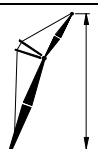
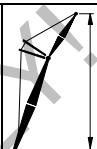
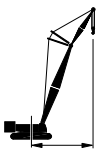
177.2 ft



137.8 ft

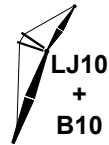
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.2	299.8	61,300							120
125	59.8	296.8	58,000							125
130	57.3	293.6	54,900							130
135	54.8	290.1	52,000							135
140	52.2	286.3	49,400							140
145	49.4	282.0	46,900	57.2	288.7	40,700				145
150	46.6	277.3	44,700	54.7	285.1	38,700				150
155	43.6	272.1	42,500	52.0	281.3	36,800				155
160	40.4	266.3	40,500	49.3	277.0	35,000				160
165	37.0	259.8	38,700	46.5	272.3	33,300				165
170	33.3	252.4	36,900	43.5	267.1	31,800	51.7	274.6	26,700	170
175	29.1	243.7	35,200	40.3	261.2	30,300	48.9	270.3	25,400	175
180	24.3	233.2	33,700	36.8	254.7	28,900	46.1	265.5	24,200	180
185	18.2	219.5	32,100	33.1	247.2	27,600	43.0	260.2	23,000	185
190	8.2	196.1	30,500	28.9	238.5	26,300	39.8	254.3	21,900	190
195				24.1	227.9	25,100	36.4	247.6	20,800	195
200				17.9	214.1	23,900	32.6	240.0	19,800	200
205				7.5	189.6	22,600	28.3	231.1	18,800	205
210							23.3	220.2	17,900	210
215							16.9	205.6	16,900	215
220							4.1	175.3	15,900	220



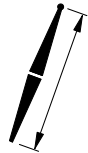
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	336.0	142,000							65
70	72.3	334.4	141,000							70
75	70.4	332.6	138,600							75
80	68.4	330.7	132,400							80
85	66.5	328.5	122,300	70.1	331.4	115,100				85
90	64.4	326.1	113,500	68.2	329.4	106,700				90
95	62.4	323.5	105,800	66.2	327.1	99,400				95
100	60.3	320.6	98,900	64.2	324.7	92,800	67.9	327.5	86,900	100
105	58.2	317.5	92,700	62.1	322.1	87,000	65.9	325.3	81,300	105
110	56.0	314.1	87,200	60.0	319.2	81,800	63.8	322.8	76,400	110
115	53.7	310.5	82,200	57.9	316.1	77,000	61.8	320.2	71,900	115
120	51.4	306.5	77,600	55.6	312.6	72,700	59.7	317.2	67,800	120
125	49.0	302.2	73,400	53.4	308.9	68,800	57.5	314.1	64,100	125
130	46.5	297.5	69,600	51.1	304.9	65,200	55.3	310.6	60,700	130
135	43.9	292.3	66,100	48.6	300.5	61,800	53.0	306.9	57,600	135
140	41.1	286.7	62,900	46.1	295.8	58,800	50.7	302.8	54,700	140
145	38.2	280.4	59,900	43.5	290.6	55,900	48.3	298.4	52,000	145
150	35.1	273.4	57,100	40.7	284.8	53,300	45.7	293.5	49,500	150
155	31.7	265.5	54,400	37.8	278.5	50,800	43.1	288.2	47,200	155
160	27.9	256.4	52,000	34.6	271.4	48,500	40.3	282.4	45,000	160
165	23.5	245.5	49,700	31.2	263.3	46,300	37.3	276.0	43,000	165
170	18.2	231.7	47,400	27.3	254.0	44,300	34.1	268.7	41,000	170
175	10.2	210.3	45,300	22.9	242.8	42,300	30.6	260.5	39,200	175
180				17.3	228.3	40,500	26.7	251.0	37,500	180
185				8.4	204.5	38,600	22.1	239.4	35,800	185
190							16.3	224.1	34,300	190
195							5.8	195.8	32,600	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235

MLC300 S-1

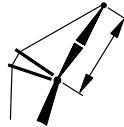
ASME B30.5



298,100 lb

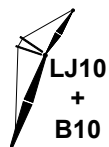


177.2 ft



157.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.9	319.4	56,500							125
130	61.9	316.7	53,400							130
135	59.7	313.8	50,600							135
140	57.6	310.6	48,000							140
145	55.4	307.2	45,500							145
150	53.1	303.5	43,300							150
155	50.8	299.4	41,200	57.5	305.7	35,300				155
160	48.3	295.0	39,200	55.3	302.2	33,500				160
165	45.8	290.2	37,400	53.0	298.5	31,900				165
170	43.2	284.9	35,700	50.7	294.4	30,300				170
175	40.4	279.1	34,000	48.3	289.9	28,900				175
180	37.4	272.6	32,500	45.7	285.1	27,500	52.7	291.8	22,700	180
185	34.2	265.5	31,000	43.1	279.8	26,200	50.4	287.7	21,500	185
190	30.8	257.3	29,600	40.3	274.0	25,000	47.9	283.2	20,400	190
195	26.8	247.8	28,300	37.3	267.5	23,800	45.4	278.3	19,400	195
200	22.3	236.3	27,000	34.1	260.3	22,700	42.7	272.9	18,400	200
205	16.5	221.3	25,800	30.6	252.1	21,600	39.9	267.0	17,500	205
210	6.5	194.2	24,500	26.7	242.5	20,600	36.9	260.5	16,500	210
215				22.1	231.0	19,600	33.7	253.1	15,600	215
220				16.3	215.7	18,600	30.1	244.8	14,600	220
225				5.7	187.3	17,500	26.1	235.0	13,700	225
230							21.4	223.1	12,900	230
235							15.3	207.0	12,000	235



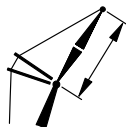
298,100 lb



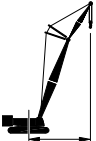
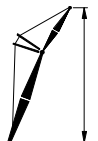
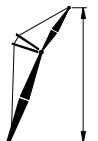
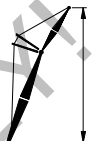
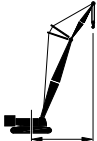
360°



177.2 ft



177.2 ft

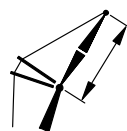
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
70	74.4	355.1	120,000							70
75	72.7	353.5	119,200							75
80	71.0	351.8	118,300							80
85	69.2	349.9	117,300							85
90	67.5	347.8	112,500	70.7	350.5	105,600				90
95	65.7	345.5	104,800	69.0	348.6	98,200				95
100	63.9	343.1	97,900	67.2	346.5	91,700				100
105	62.1	340.4	91,700	65.4	344.2	85,900	68.7	346.8	80,100	105
110	60.2	337.6	86,200	63.6	341.7	80,700	67.0	344.7	75,100	110
115	58.3	334.5	81,200	61.8	339.0	75,900	65.2	342.3	70,700	115
120	56.4	331.2	76,600	59.9	336.1	71,600	63.4	339.8	66,600	120
125	54.4	327.6	72,500	58.0	333.0	67,700	61.5	337.1	62,900	125
130	52.3	323.7	68,700	56.1	329.7	64,100	59.7	334.2	59,500	130
135	50.2	319.6	65,200	54.1	326.1	60,800	57.7	331.0	56,400	135
140	48.1	315.1	62,000	52.0	322.2	57,700	55.8	327.7	53,500	140
145	45.8	310.3	59,000	49.9	318.0	54,900	53.8	324.0	50,900	145
150	43.5	305.1	56,200	47.8	313.5	52,300	51.7	320.1	48,400	150
155	41.0	299.4	53,600	45.5	308.6	49,800	49.6	315.8	46,100	155
160	38.5	293.2	51,200	43.1	303.3	47,500	47.4	311.3	43,900	160
165	35.7	286.4	48,900	40.7	297.6	45,400	45.1	306.3	41,900	165
170	32.8	278.7	46,700	38.1	291.3	43,400	42.8	301.0	40,000	170
175	29.6	270.2	44,700	35.3	284.3	41,500	40.3	295.2	38,200	175
180	26.0	260.3	42,800	32.3	276.6	39,700	37.7	288.8	36,500	180
185	21.8	248.5	41,000	29.1	267.9	38,000	34.9	281.7	34,900	185
190	16.7	233.4	39,200	25.4	257.8	36,400	31.9	273.9	33,400	190
195	8.8	209.6	37,500	21.2	245.7	34,800	28.6	264.9	32,000	195
200				15.9	229.9	33,300	24.8	254.6	30,600	200
205				7.0	202.9	31,800	20.5	242.1	29,300	205
210							14.9	225.4	28,000	210
215							3.8	191.6	26,600	215
220										220
225										225
230										230
235										235
240										240
245										245



298,100 lb

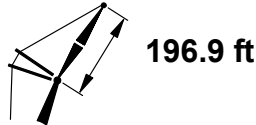
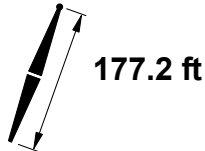
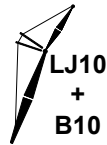


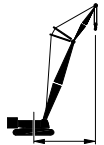
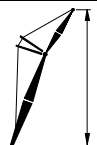
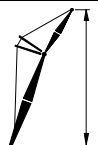
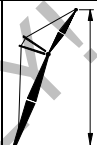
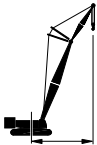
177.2 ft

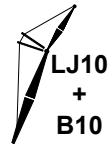


177.2 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
70							70
75							75
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135	63.4	336.4	49,200				135
140	61.6	333.7	46,600				140
145	59.7	330.8	44,200				145
150	57.8	327.6	42,000				150
155	55.9	324.2	39,900				155
160	53.9	320.6	38,000				160
165	51.8	316.7	36,200	57.7	322.6	30,500	165
170	49.7	312.4	34,400	55.8	319.2	29,000	170
175	47.5	307.9	32,800	53.8	315.6	27,500	175
180	45.2	303.0	31,300	51.7	311.7	26,200	180
185	42.9	297.6	29,900	49.6	307.4	24,900	185
190	40.4	291.8	28,500	47.4	302.9	23,700	190
195	37.8	285.5	27,300	45.1	297.9	22,600	195
200	35.0	278.4	26,000	42.8	292.6	21,500	200
205	32.0	270.6	24,900	40.3	286.7	20,400	205
210	28.7	261.7	23,700	37.7	280.4	19,500	210
215	25.0	251.4	22,700	34.9	273.3	18,500	215
220	20.6	239.0	21,600	31.9	265.4	17,600	220
225	15.1	222.6	20,600	28.6	256.5	16,700	225
230	4.8	191.1	19,500	24.8	246.2	15,900	230
235				20.5	233.6	15,000	235
240				14.8	217.0	14,200	240
245				3.7	183.0	13,200	245



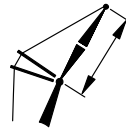
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
75	74.5	374.1	101,200							75
80	72.9	372.6	100,700							80
85	71.4	370.9	100,100							85
90	69.8	369.0	99,400							90
95	68.3	367.1	98,700	71.2	369.6	97,300				95
100	66.7	364.9	97,100	69.6	367.8	90,800				100
105	65.1	362.6	91,000	68.1	365.8	85,000				105
110	63.5	360.1	85,400	66.5	363.6	79,800				110
115	61.8	357.4	80,500	64.9	361.2	75,100	67.8	363.9	69,800	115
120	60.1	354.5	75,900	63.2	358.7	70,800	66.2	361.7	65,700	120
125	58.4	351.4	71,800	61.6	356.0	66,900	64.6	359.4	62,000	125
130	56.7	348.2	68,000	59.9	353.1	63,300	63.0	356.8	58,700	130
135	54.9	344.7	64,500	58.2	350.0	60,000	61.3	354.1	55,600	135
140	53.1	340.9	61,300	56.4	346.7	57,000	59.6	351.1	52,700	140
145	51.2	336.9	58,300	54.7	343.1	54,200	57.9	348.0	50,000	145
150	49.3	332.6	55,500	52.8	339.4	51,500	56.2	344.7	47,600	150
155	47.3	328.1	52,900	51.0	335.3	49,100	54.4	341.1	45,300	155
160	45.3	323.1	50,500	49.0	331.0	46,800	52.5	337.3	43,100	160
165	43.2	317.9	48,300	47.1	326.4	44,700	50.7	333.2	41,100	165
170	41.0	312.1	46,200	45.0	321.4	42,700	48.7	328.8	39,200	170
175	38.7	306.0	44,200	42.9	316.1	40,800	46.7	324.2	37,500	175
180	36.2	299.2	42,300	40.6	310.3	39,000	44.7	319.1	35,800	180
185	33.6	291.9	40,500	38.3	304.1	37,400	42.5	313.7	34,200	185
190	30.8	283.7	38,800	35.9	297.2	35,800	40.3	307.9	32,700	190
195	27.8	274.4	37,200	33.2	289.8	34,300	38.0	301.6	31,300	195
200	24.4	263.8	35,700	30.4	281.4	32,800	35.5	294.7	30,000	200
205	20.4	251.2	34,200	27.3	272.0	31,500	32.8	287.1	28,700	205
210	15.4	234.9	32,800	23.8	261.2	30,200	30.0	278.6	27,500	210
215	7.6	208.4	31,400	19.8	248.2	28,900	26.8	269.0	26,300	215
220				14.6	231.1	27,700	23.3	257.9	25,200	220
225				5.6	200.5	26,400	19.1	244.4	24,100	225
230							13.6	226.4	23,000	230
235										235
240										240
245										245
250										250



298,100 lb

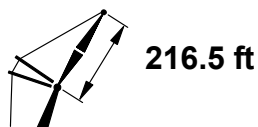
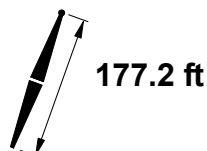


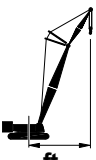
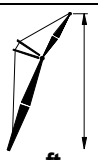
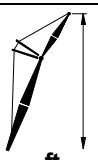
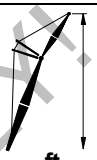
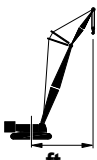
177.2 ft

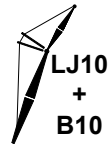


196.9 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
75							75
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145	63.0	353.4	43,300				145
150	61.4	350.6	41,000				150
155	59.7	347.7	39,000				155
160	58.0	344.6	37,000				160
165	56.2	341.2	35,200				165
170	54.4	337.7	33,600				170
175	52.6	333.9	32,000	57.9	339.6	26,600	175
180	50.7	329.8	30,500	56.2	336.3	25,200	180
185	48.8	325.4	29,000	54.4	332.7	24,000	185
190	46.8	320.8	27,700	52.5	328.9	22,800	190
195	44.8	315.8	26,400	50.7	324.8	21,600	195
200	42.6	310.4	25,200	48.7	320.4	20,600	200
205	40.4	304.6	24,100	46.7	315.7	19,600	205
210	38.0	298.3	23,000	44.7	310.7	18,600	210
215	35.6	291.4	21,900	42.5	305.3	17,700	215
220	32.9	283.8	20,900	40.3	299.5	16,800	220
225	30.1	275.4	20,000	37.9	293.2	15,800	225
230	26.9	265.8	19,100	35.5	286.2	14,900	230
235	23.4	254.8	18,200	32.8	278.6	14,000	235
240	19.2	241.4	17,300	30.0	270.2	13,200	240
245	13.9	223.6	16,400	26.8	260.6	12,400	245
250	2.5	184.9	15,500	23.3	249.5	11,600	250



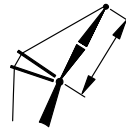
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
80	74.5	393.2	85,800							80
85	73.1	391.6	85,300							85
90	71.8	390.0	84,800							90
95	70.3	388.2	84,300							95
100	68.9	386.3	83,700	71.6	388.7	83,200				100
105	67.5	384.2	83,100	70.1	386.9	82,900				105
110	66.0	382.0	82,500	68.7	385.0	82,700				110
115	64.6	379.6	79,400	67.3	382.9	79,900				115
120	63.1	377.1	74,900	65.8	380.6	69,700	68.5	383.2	64,500	120
125	61.6	374.3	70,800	64.4	378.2	65,800	67.1	381.1	60,800	125
130	60.1	371.5	67,000	62.9	375.7	62,200	65.6	378.8	57,400	130
135	58.5	368.4	63,500	61.4	373.0	58,900	64.2	376.4	54,300	135
140	56.9	365.2	60,300	59.9	370.1	55,900	62.7	373.8	51,500	140
145	55.3	361.7	57,300	58.3	367.0	53,100	61.2	371.0	48,800	145
150	53.7	358.0	54,500	56.7	363.7	50,400	59.6	368.1	46,400	150
155	52.0	354.2	51,900	55.1	360.2	48,000	58.1	365.0	44,100	155
160	50.3	350.0	49,500	53.5	356.5	45,700	56.5	361.7	42,000	160
165	48.5	345.6	47,300	51.8	352.6	43,600	54.9	358.2	40,000	165
170	46.7	340.9	45,200	50.1	348.4	41,600	53.2	354.4	38,100	170
175	44.9	335.9	43,200	48.3	344.0	39,800	51.5	350.5	36,300	175
180	42.9	330.6	41,300	46.5	339.3	38,000	49.8	346.3	34,700	180
185	40.9	324.9	39,600	44.6	334.2	36,300	48.0	341.8	33,100	185
190	38.8	318.7	37,900	42.6	328.8	34,800	46.2	337.0	31,600	190
195	36.6	312.1	36,300	40.6	323.1	33,300	44.3	331.9	30,200	195
200	34.3	304.9	34,800	38.5	316.8	31,900	42.3	326.5	28,900	200
205	31.8	297.0	33,400	36.3	310.1	30,500	40.3	320.6	27,600	205
210	29.1	288.2	32,000	34.0	302.8	29,200	38.2	314.4	26,400	210
215	26.2	278.4	30,700	31.5	294.8	28,000	35.9	307.6	25,300	215
220	23.0	267.1	29,500	28.8	285.9	26,800	33.6	300.1	24,200	220
225	19.1	253.5	28,200	25.8	275.9	25,700	31.1	292.0	23,100	225
230	14.3	236.1	27,100	22.5	264.3	24,600	28.3	283.0	22,100	230
235	6.4	206.6	25,900	18.5	250.4	23,600	25.3	272.7	21,100	235
240				13.5	232.1	22,500	21.9	260.9	20,200	240
245				4.0	196.6	21,400	17.9	246.5	19,300	245
250							12.6	227.1	18,400	250
255										255
260										260
265										265



298,100 lb



177.2 ft



216.5 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155	62.7	370.3	37,600				155
160	61.2	367.6	35,700				160
165	59.7	364.7	33,900				165
170	58.1	361.6	32,300				170
175	56.5	358.3	30,700				175
180	54.9	354.8	29,200				180
185	53.3	351.0	27,800	58.1	356.6	22,600	185
190	51.6	347.1	26,500	56.5	353.3	21,400	190
195	49.9	342.9	25,200	54.9	349.8	20,300	195
200	48.1	338.4	24,000	53.2	346.0	19,100	200
205	46.3	333.6	22,900	51.5	342.1	18,000	205
210	44.4	328.6	21,800	49.8	337.9	16,900	210
215	42.4	323.1	20,800	48.0	333.4	15,900	215
220	40.4	317.3	19,800	46.2	328.6	14,900	220
225	38.3	311.0	18,900	44.3	323.5	14,000	225
230	36.0	304.3	18,000	42.3	318.1	13,100	230
235	33.7	296.9	17,100	40.3	312.2	12,300	235
240	31.1	288.8	16,300	38.2	305.9	11,500	240
245	28.4	279.8	15,500				245
250	25.4	269.6	14,700				250
255	22.0	257.8	13,900				255
260	18.0	243.5	13,100				260
265	12.8	224.4	12,300				265